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OM protein - protein search, using sw model

Run on: December 12, 2003, 18:47:23 ; Search time 15 Seconds

(without alignments)
973.150 Million cell updates/sec

Title: US-09-818-943-1

Perfect score: 1858
Sequence: 1 MSFGLILVTSALAGRGRT.....DVALEHHECDVCVCGSTGG 345

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database:

Issued Patents Aa.*
1: /cgm2_6/ptodata/1/iaa/5A COMB .pep.*
2: /cgm2_6/ptodata/1/iaa/5B COMB .pep.*
3: /cgm2_6/ptodata/1/iaa/6A COMB .pep.*
4: /cgm2_6/ptodata/1/iaa/6B COMB .pep.*
5: /cgm2_6/ptodata/1/iaa/PCTUS COMB .pep.*
6: /cgm2_6/ptodata/1/iaa/backfile1.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1851	99.6	345	4	US-09-040-220D-2
2	1851	99.6	345	4	US-09-457-066-2
3	1851	99.6	345	4	US-09-265-686-2
4	1851	99.6	345	4	US-09-540-224-5
5	1851	99.6	345	4	US-09-564-595D-33
6	1851	99.6	345	4	US-09-706-968-2
7	1664	89.6	345	4	US-09-457-066-43
8	1664	89.6	345	4	US-09-564-595D-35
9	1664	89.6	345	4	US-09-706-968-43
10	1325	71.3	302	4	US-09-564-595D-54
11	1266.5	68.2	303	4	US-09-564-595D-57
12	1098	59.1	316	4	US-09-564-595D-55
13	1051.5	56.6	317	4	US-09-564-595D-56
14	741.5	39.9	370	4	US-09-457-066-37
15	741.5	39.9	370	4	US-09-540-224-2
16	741.5	39.9	370	4	US-09-564-595D-2
17	741.5	39.9	370	4	US-09-706-968-37
18	737.5	39.7	370	4	US-09-540-224-4
19	737.5	39.7	370	4	US-09-564-595D-53
20	173	9.3	3623	4	US-09-341-461-2
21	172.5	9.3	730	3	US-08-872-757-2
22	172.5	9.3	730	3	US-08-850-048A-2
23	172	9.3	1012	4	US-09-285-385C-4
24	171	9.2	1015	4	US-09-285-385C-2
25	169	9.1	788	1	US-08-572-225-1
26	169	9.1	986	4	US-09-285-385C-19
27	164.5	8.9	909	3	US-08-936-135-18

28	164.5	8.9	926	3	US-08-936-135-20	Sequence 20, Appl
29	163.5	8.8	922	4	US-09-116-473-4	Sequence 4, Appl
30	163	8.8	101	1	US-09-374-135-6	Sequence 6, Appl
31	163	8.8	925	4	US-09-116-473-2	Sequence 2, Appl
32	160.5	8.6	901	3	US-08-936-135-22	Sequence 22, Appl
33	160.5	8.6	909	3	US-08-936-135-24	Sequence 24, Appl
34	160.5	8.6	909	3	US-08-936-135-8	Sequence 8, Appl
35	160.5	8.6	909	3	US-08-936-135-10	Sequence 10, Appl
36	160.5	8.6	914	3	US-08-936-135-12	Sequence 12, Appl
37	160.5	8.6	923	3	US-08-936-135-6	Sequence 6, Appl
38	160.5	8.6	926	3	US-08-936-135-14	Sequence 14, Appl
39	160.5	8.6	931	3	US-08-936-135-16	Sequence 16, Appl
40	158.5	8.5	111	4	US-09-341-461-30	Sequence 30, Appl
41	156	8.4	986	4	US-08-872-757-4	Sequence 4, Appl
42	156	8.4	986	4	US-09-850-048A-4	Sequence 4, Appl
43	154	8.3	449	2	US-08-839-008-2	Sequence 2, Appl
44	154	8.3	449	2	US-08-839-008-8	Sequence 2, Appl
45	153	8.2	415	3	US-09-032-523-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-09-040-220D-2
; Sequence 2, Application US/09040220D
; Patent No. 6391311
; GENERAL INFORMATION:
; APPLICANT: Ferrari, Napoleone
; TITLE OF INVENTION: NOVEL POLYPEPTIDES HAVING HOMOLOGY TO VASCULAR
; TITLE OF INVENTION: ENDOGENOUS CELL GROWTH FACTOR AND BONE MORPHOGENETIC
; TITLE OF INVENTION: PROTEIN 1 AND NUCLEAR ACTINS ENCODING SAME, THEIR USES,
; FILE REFERENCE: P1122
; CURRENT APPLICATION NUMBER: US/09/040,220D
; NUMBER OF SEQ ID NOS: 8
; SEQ ID NO 2
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Human
US-09-040-220D-2

Query Match	Score	DB 4	Length	345
Best Local Similarity	99.6%	Pred. No. 6.7e-193	Indels	0
Matches	343	Conservative	0	Mismatches
Db	1	MSFGLILVTSALAGRGRTQAESNLSKFPQSNKEONGVODPOHERITTVSTNGSIHS 60		
Qy	1	MSFGLILVTSALAGRGRTQAESNLSKFPQSNKEONGVODPOHERITTVSTNGSIHS 60		
Db	61	PRPHPTVPRNTVLMRLVAEENVMQLTFDRFGLEDPEDDICXDFVVEESPDDTIL 120		
Qy	61	PRPHPTVPRNTVLMRLVAEENVMQLTFDRFGLEDPEDDICXDFVVEESPDDTIL 120		
Db	121	GRNGSGTGVGKQISKNQIRIRFVSDYRPSRPGCIHINIMPOFTAVSVSLPPSA 180		
Qy	121	GRNGSGTGVGKQISKNQIRIRFVSDYRPSRPGCIHINIMPOFTAVSVSLPPSA 180		
Db	121	GRNGSGTGVGKQISKNQIRIRFVSDYRPSRPGCIHINIMPOFTAVSVSLPPSA 180		
Qy	181	LPDLILNNAITASTLEDLRLYLEPERWOLDLDRPTQLGKAFVFGKSRVVDNL 240		
Db	181	LPDLILNNAITASTLEDLRLYLEPERWOLDLDRPTQLGKAFVFGKSRVVDNL 240		
Qy	241	LYTEVRVLYSCTPNFVSIRBELKRTDTTFWPCCLLVKRCGACCLANCCOCVPSK 300		
Db	241	LYTEVRVLYSCTPNFVSIRBELKRTDTTFWPCCLLVKRCGACCLANCCOCVPSK 300		
Qy	301	VTKKHYEVQLRPRTGVGKSLITVVALEHHECCVCGSTGG 345		
Db	301	VTKKHYEVQLRPRTGVGKSLITVVALEHHECCVCGSTGG 345		

RESULT 2

US-09-457-066-2
 : Sequence 2, Application US/09457066
 : Patent No. 6432673
 : GENERAL INFORMATION:
 : APPLICANT: Gao, Zeren
 : APPLICANT: Hart, Charles E.
 : APPLICANT: Piddington, Christopher S.
 : APPLICANT: Sheppard, Paul O.
 : APPLICANT: Shemmaker, Kimberly E.
 : APPLICANT: Gilbertson, Debra G.
 : APPLICANT: West, James W.
 : TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
 : FILE REFERENCE: 98-60
 : CURRENT APPLICATION NUMBER: US/09/457,066
 : CURRENT FILING DATE: 1999-12-07
 : NUMBER OF SEQ ID NOS: 50
 : SOFTWARE: FastSeq for Windows Version 3.0
 : SEQ ID NO 2
 : LENGTH: 345
 : TYPE: PRT
 : ORGANISM: Homo sapiens
 : US-09-457-066-2

Query Match 99.6%; Score 1851; DB 4; Length 345;
 Best Local Similarity 99.4%; Pred. No. 6,7e-193;
 Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTLSALAGRGTOAESNLSSKFOFSNKEONGVDPQHERIITVSTNGSIHS 60
 DB 1 MSLEGLLVTLSALAGRGTOAESNLSSKFOFSNKEONGVDPQHERIITVSTNGSIHS 60

QY 61 PRPHPTYPNTVLMRLVAEENVMQLTFDERFGLEDEDDICKYDFVEVEBPSDGTLL 120
 DB 61 PRPHPTYPNTVLMRLVAEENVMQLTFDERFGLEDEDDICKYDFVEVEBPSDGTLL 120

QY 121 GRMGSGTVPGKQISKGNQIRIFVSDYFPPSPGFCIHNYIMPOTFAVSPSVLPESA 180
 DB 121 GRMGSGTVPGKQISKGNQIRIFVSDYFPPSPGFCIHNYIMPOTFAVSPSVLPESA 180

QY 181 LPDLNNATITAFSTLEDLIRYLEPERWQDLDELRYPTWQLGKAFVGRKSRVVDLNL 240
 DB 181 LPDLNNATITAFSTLEDLIRYLEPERWQDLDELRYPTWQLGKAFVGRKSRVVDLNL 240

QY 241 LTBREVLVYSCTPPNFSVSIRELKRDTDTIWPGLLVKRCGNCACCLHNCNCCVPSK 300
 DB 241 LTBREVLVYSCTPPNFSVSIRELKRDTDTIWPGLLVKRCGNCACCLHNCNCCVPSK 300

QY 301 VTKKHEVQLRPTGVRLGKSLTDVALHHEECDCVCRGSTG 345
 DB 301 VTKKHEVQLRPTGVRLGKSLTDVALHHEECDCVCRGSTG 345

RESULT 3

US-09-265-686-2
 : Sequence 2, Application US/09265686
 : Patent No. 6455283
 : GENERAL INFORMATION:
 : APPLICANT: Ferrara, Napoleone
 : APPLICANT: Kuo, Sophia S.
 : TITLE OF INVENTION: POLYPEPTIDES HOMOLOGOUS TO VEGF AND BMP1
 : FILE REFERENCE: P122P2
 : CURRENT APPLICATION NUMBER: US/09/265,686
 : CURRENT FILING DATE: 1999-03-10
 : PRIOR APPLICATION NUMBER: US 09/040,220
 : PRIOR FILING DATE: 1998-03-17
 : PRIOR APPLICATION NUMBER: US 09/184,216
 : PRIOR FILING DATE: 1998-11-02
 : NUMBER OF SEQ ID NOS: 8
 : SEQ ID NO 2
 : LENGTH: 345
 : TYPE: PRT
 : ORGANISM: Human

US-09-265-686-2

Query Match 99.6%; Score 1851; DB 4; Length 345;
 Best Local Similarity 99.4%; Pred. No. 6,7e-193;
 Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTLSALAGRGTOAESNLSSKFOFSNKEONGVDPQHERIITVSTNGSIHS 60
 DB 1 MSLEGLLVTLSALAGRGTOAESNLSSKFOFSNKEONGVDPQHERIITVSTNGSIHS 60

QY 61 PRPHPTYPNTVLMRLVAEENVMQLTFDERFGLEDEDDICKYDFVEVEBPSDGTLL 120
 DB 61 PRPHPTYPNTVLMRLVAEENVMQLTFDERFGLEDEDDICKYDFVEVEBPSDGTLL 120

QY 121 GRMGSGTVPGKQISKGNQIRIFVSDYFPPSPGFCIHNYIMPOTFAVSPSVLPESA 180
 DB 121 GRMGSGTVPGKQISKGNQIRIFVSDYFPPSPGFCIHNYIMPOTFAVSPSVLPESA 180

QY 181 LPDLNNATITAFSTLEDLIRYLEPERWQDLDELRYPTWQLGKAFVGRKSRVVDLNL 240
 DB 181 LPDLNNATITAFSTLEDLIRYLEPERWQDLDELRYPTWQLGKAFVGRKSRVVDLNL 240

QY 241 LTBREVLVYSCTPPNFSVSIRELKRDTDTIWPGLLVKRCGNCACCLHNCNCCVPSK 300
 DB 241 LTBREVLVYSCTPPNFSVSIRELKRDTDTIWPGLLVKRCGNCACCLHNCNCCVPSK 300

QY 301 VTKKHEVQLRPTGVRLGKSLTDVALHHEECDCVCRGSTG 345
 DB 301 VTKKHEVQLRPTGVRLGKSLTDVALHHEECDCVCRGSTG 345

RESULT 4

US-09-540-224-5
 : Sequence 5, Application US/09540224
 : Patent No. 6468543
 : GENERAL INFORMATION:
 : APPLICANT: Gilbertson, Debra G.
 : APPLICANT: Hart, Charles E.
 : TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
 : TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
 : FILE REFERENCE: 00-28
 : CURRENT APPLICATION NUMBER: US/09/540,224
 : CURRENT FILING DATE: 2000-03-31
 : EARLIER APPLICATION NUMBER: US 60/180,169
 : EARLIER FILING DATE: 2000-02-04
 : NUMBER OF SEQ ID NOS: 9
 : SOFTWARE: FastSeq for Windows Version 3.0
 : SEQ ID NO 5
 : LENGTH: 345
 : TYPE: PRT
 : ORGANISM: Homo sapiens
 : US-09-540-224-5

Query Match 99.6%; Score 1851; DB 4; Length 345;
 Best Local Similarity 99.4%; Pred. No. 6,7e-193;
 Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTLSALAGRGTOAESNLSSKFOFSNKEONGVDPQHERIITVSTNGSIHS 60
 DB 1 MSLEGLLVTLSALAGRGTOAESNLSSKFOFSNKEONGVDPQHERIITVSTNGSIHS 60

QY 61 PRPHPTYPNTVLMRLVAEENVMQLTFDERFGLEDEDDICKYDFVEVEBPSDGTLL 120
 DB 61 PRPHPTYPNTVLMRLVAEENVMQLTFDERFGLEDEDDICKYDFVEVEBPSDGTLL 120

QY 121 GRMGSGTVPGKQISKGNQIRIFVSDYFPPSPGFCIHNYIMPOTFAVSPSVLPESA 180
 DB 121 GRMGSGTVPGKQISKGNQIRIFVSDYFPPSPGFCIHNYIMPOTFAVSPSVLPESA 180

QY 181 LPDLNNATITAFSTLEDLIRYLEPERWQDLDELRYPTWQLGKAFVGRKSRVVDLNL 240
 DB 181 LPDLNNATITAFSTLEDLIRYLEPERWQDLDELRYPTWQLGKAFVGRKSRVVDLNL 240

QY 241 LTBVRLVYSCIPNFSVSIRESLKRDTITFMPGCLVYKCGGNCACCLHNCNCCQVPSK 300
 DB 241 LTBVRLVYSCIPNFSVSIRESLKRDTITFMPGCLVYKCGGNCACCLHNCNCCQVPSK 300
 QY 301 VTKKHVEVLQLRPKTVGRGLHKSITDVALHHEBCCDCVCRGSTG 345
 DB 301 VTKKHVEVLQLRPKTVGRGLHKSITDVALHHEBCCDCVCRGSTG 345

RESULT 5

US-09-564-595D-33
 ; Sequence 33, Application US/09564595D
 ; Patent No. 6495668

GENERAL INFORMATION:
 APPLICANT: Gilbert, Teresa
 APPLICANT: Hart, Charles E.
 APPLICANT: Sheppard, Paul O.
 TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
 FILE REFERENCE: 99-19
 CURRENT APPLICATION NUMBER: US/09/564,595D
 CURRENT FILING DATE: 2000-05-03
 PRIOR APPLICATION NUMBER: US 09/304,216
 PRIOR FILING DATE: 1999-05-03
 PRIOR APPLICATION NUMBER: US 60/164,463
 PRIOR FILING DATE: 1999-11-10
 PRIOR APPLICATION NUMBER: US 60/180,169
 PRIOR FILING DATE: 2000-02-04
 NUMBER OF SEQ ID NOS: 57
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 33
 LENGTH: 345
 TYPE: PR
 ORGANISM: Homo sapiens
 US-09-564-595D-33

Query Match 99.6%; Score 1851; DB 4; Length 345;
 Best Local Similarity 99.4%; Pred. No. 6.7e-193;
 Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSIFGLLVTSLAGRGTOAESNLSKPFSSNKGNGVODPOHERITVSTNGSIHS 60
 DB 1 MSIFGLLVTSLAGRGTOAESNLSKPFSSNKGNGVODPOHERITVSTNGSIHS 60
 QY 61 PREPHTYPRNTVLYWMLVAEENVMQLTFDERFGLEDEDDICRYDFVEEESPDSGTL 120
 DB 61 PREPHTYPRNTVLYWMLVAEENVMQLTFDERFGLEDEDDICRYDFVEEESPDSGTL 120
 QY 121 GRWCGSGTVPGKQISGNQIRIRFVSDYFSPBPGFCIHNYMPOTEAIVSSVLPSPA 180
 DB 121 GRWCGSGTVPGKQISGNQIRIRFVSDYFSPBPGFCIHNYMPOTEAIVSSVLPSPA 180
 QY 181 LPLDLNNAITVASTEDLIRLYEPERWQDLEDLVPTWQLGKAFVGRKSRVVDLNT 240
 DB 181 LPLDLNNAITVASTEDLIRLYEPERWQDLEDLVPTWQLGKAFVGRKSRVVDLNT 240
 QY 241 LTBVRLVYSCIPNFSVSIRESLKRDTITFMPGCLVYKCGGNCACCLHNCNCCQVPSK 300
 DB 241 LTBVRLVYSCIPNFSVSIRESLKRDTITFMPGCLVYKCGGNCACCLHNCNCCQVPSK 300
 QY 301 VTKKHVEVLQLRPKTVGRGLHKSITDVALHHEBCCDCVCRGSTG 345
 DB 301 VTKKHVEVLQLRPKTVGRGLHKSITDVALHHEBCCDCVCRGSTG 345

RESULT 6

US-09-706-968-2
 ; Sequence 2, Application US/09706968
 ; Patent No. 6528050

GENERAL INFORMATION:
 APPLICANT: Gao, Zeren
 APPLICANT: Hart, Charles E.
 APPLICANT: Piddington, Christopher S.
 APPLICANT: Sheppard, Paul O.

APPLICANT: Shoemaker, Kimberly E.
 APPLICANT: Gilbertson, Debra G.
 APPLICANT: West, James M.
 TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
 FILE REFERENCE: 98-60C1
 CURRENT APPLICATION NUMBER: US/09/706,968
 CURRENT FILING DATE: 2000-11-06
 PRIOR APPLICATION NUMBER: US/09/541,752
 PRIOR FILING DATE: 2000-03-31
 NUMBER OF SEQ ID NOS: 50
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 2
 LENGTH: 345
 TYPE: PR
 ORGANISM: Homo sapiens
 US-09-706-968-2

Query Match 99.6%; Score 1851; DB 4; Length 345;
 Best Local Similarity 99.4%; Pred. No. 6.7e-193;
 Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSIFGLLVTSLAGRGTOAESNLSKPFSSNKGNGVODPOHERITVSTNGSIHS 60
 DB 1 MSIFGLLVTSLAGRGTOAESNLSKPFSSNKGNGVODPOHERITVSTNGSIHS 60
 QY 61 PREPHTYPRNTVLYWMLVAEENVMQLTFDERFGLEDEDDICRYDFVEEESPDSGTL 120
 DB 61 PREPHTYPRNTVLYWMLVAEENVMQLTFDERFGLEDEDDICRYDFVEEESPDSGTL 120
 QY 121 GRWCGSGTVPGKQISGNQIRIRFVSDYFSPBPGFCIHNYMPOTEAIVSSVLPSPA 180
 DB 121 GRWCGSGTVPGKQISGNQIRIRFVSDYFSPBPGFCIHNYMPOTEAIVSSVLPSPA 180
 QY 181 LPLDLNNAITVASTEDLIRLYEPERWQDLEDLVPTWQLGKAFVGRKSRVVDLNT 240
 DB 181 LPLDLNNAITVASTEDLIRLYEPERWQDLEDLVPTWQLGKAFVGRKSRVVDLNT 240
 QY 241 LTBVRLVYSCIPNFSVSIRESLKRDTITFMPGCLVYKCGGNCACCLHNCNCCQVPSK 300
 DB 241 LTBVRLVYSCIPNFSVSIRESLKRDTITFMPGCLVYKCGGNCACCLHNCNCCQVPSK 300
 QY 301 VTKKHVEVLQLRPKTVGRGLHKSITDVALHHEBCCDCVCRGSTG 345
 DB 301 VTKKHVEVLQLRPKTVGRGLHKSITDVALHHEBCCDCVCRGSTG 345

RESULT 7

US-09-457-066-43
 ; Sequence 43, Application US/09457066
 ; Patent No. 6432673

GENERAL INFORMATION:
 APPLICANT: Gao, Zeren
 APPLICANT: Hart, Charles E.
 APPLICANT: Piddington, Christopher S.
 APPLICANT: Sheppard, Paul O.
 APPLICANT: Shoemaker, Kimberly E.
 APPLICANT: Gilbertson, Debra G.

TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
 FILE REFERENCE: 98-60
 CURRENT APPLICATION NUMBER: US/09/457,066
 CURRENT FILING DATE: 1999-12-07
 NUMBER OF SEQ ID NOS: 50
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 43
 LENGTH: 345
 TYPE: PR
 ORGANISM: Mus musculus
 US-09-457-066-43

Query Match 89.6%; Score 1664; DB 4; Length 345;
 Best Local Similarity 86.7%; Pred. No. 1.5e-172;
 Matches 299; Conservative 28; Mismatches 18; Indels 0; Gaps 0;

QY 1 MSIFGLLVTSALAGRGRTQASNSLSKQFSSNKNKONGVODPOHERIITVSTNGSIHS 60
 Db 1 MLLGLLLTSALAGRTQASNSLSKQFSSNKNKONGVODPOHERIITVSTNGSIHS 60
 QY 61 PRPHYTPRNTVYVWRLVAEENWVIOITPDERFGLEDPEDDICKYDFVEEBSDDGTL 120
 Db 61 PRPHYTPRNTVYVWRLVAEENWVIOITPDERFGLEDPEDDICKYDFVEEBSDDGTL 120
 QY 121 GRMGSGTVPGKQISKNQIRIRFVSDYPPSEBPGFCIHYNIVMPQFTEAVSPVLPPSA 180
 Db 121 GRMGSGTVPGKQISKNQIRIRFVSDYPPSEBPGFCIHYNIVMPQFTEAVSPVLPPSA 180
 QY 181 LPLDLNNAITAFSTLBDLIRYLEPERWOLDLBDLYRPTWQLGKAFVFGKRSVVDLNT 240
 Db 181 LPLDLNNAITAFSTLBDLIRYLEPERWOLDLBDLYRPTWQLGKAFVFGKRSVVDLNT 240
 QY 241 LTRERVLVYCTPRNFSVSIRESLKRDTTIFWPGCLVYKRCGNCACCLHNCBQCVPK 300
 Db 241 LTRERVLVYCTPRNFSVSIRESLKRDTTIFWPGCLVYKRCGNCACCLHNCBQCVPK 300
 QY 301 VTKKYHEVLOLRPKTVGKGLHKSITDVALHHEBCDCVCRGSGG 345
 Db 301 VTKKYHEVLOLRPKTVGKGLHKSITDVALHHEBCDCVCRGSGG 345

RESULT 8
 US-09-564-595D-35
 Sequence 35, Application US/09564595D
 Patent No. 6495668

GENERAL INFORMATION:
 APPLICANT: Hart, Charles B.
 APPLICANT: Sheppard, Paul O.
 TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGFA
 FILE REFERENCE: 99-19
 CURRENT APPLICATION NUMBER: US/09/564,595D
 PRIOR FILING DATE: 2000-05-03
 PRIOR APPLICATION NUMBER: US 09/304,216
 PRIOR FILING DATE: 1999-05-03
 PRIOR APPLICATION NUMBER: US 60/164,463
 PRIOR FILING DATE: 1999-11-10
 PRIOR APPLICATION NUMBER: US 60/180,169
 PRIOR FILING DATE: 2000-02-04
 NUMBER OF SEQ ID NOS: 57
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 35
 LENGTH: 345
 TYPE: PRT
 ORGANISM: Mus musculus
 US-09-564-595D-35

Query Match 89.6%; Score 1664; DB 4; Length 345;

Best Local Similarity 86.7%; Pred. No. 1.5e-172; Matches 299; Conservative 28; Mismatches 18; Indels 0; Gaps 0;

QY 1 MSIFGLLVTSALAGRGRTQASNSLSKQFSSNKNKONGVODPOHERIITVSTNGSIHS 60
 Db 1 MLLGLLLTSALAGRTQASNSLSKQFSSNKNKONGVODPOHERIITVSTNGSIHS 60
 QY 61 PRPHYTPRNTVYVWRLVAEENWVIOITPDERFGLEDPEDDICKYDFVEEBSDDGTL 120
 Db 61 PRPHYTPRNTVYVWRLVAEENWVIOITPDERFGLEDPEDDICKYDFVEEBSDDGTL 120
 QY 121 GRMGSGTVPGKQISKNQIRIRFVSDYPPSEBPGFCIHYNIVMPQFTEAVSPVLPPSA 180
 Db 121 GRMGSGTVPGKQISKNQIRIRFVSDYPPSEBPGFCIHYNIVMPQFTEAVSPVLPPSA 180
 QY 181 LPLDLNNAITAFSTLBDLIRYLEPERWOLDLBDLYRPTWQLGKAFVFGKRSVVDLNT 240
 Db 181 LPLDLNNAITAFSTLBDLIRYLEPERWOLDLBDLYRPTWQLGKAFVFGKRSVVDLNT 240
 QY 241 LTRERVLVYCTPRNFSVSIRESLKRDTTIFWPGCLVYKRCGNCACCLHNCBQCVPK 300
 Db 241 LTRERVLVYCTPRNFSVSIRESLKRDTTIFWPGCLVYKRCGNCACCLHNCBQCVPK 300

Db 241 LTRERVLVYCTPRNFSVSIRESLKRDTTIFWPGCLVYKRCGNCACCLHNCBQCVPK 300
 QY 301 VTKKYHEVLOLRPKTVGKGLHKSITDVALHHEBCDCVCRGSGG 345
 Db 301 VTKKYHEVLOLRPKTVGKGLHKSITDVALHHEBCDCVCRGSGG 345

RESULT 9

US-09-706-968-43

Sequence 43, Application US/09706968

Patent No. 6528050

GENERAL INFORMATION:

APPLICANT: Gao, Zeren

APPLICANT: Hart, Charles B.

APPLICANT: Piddington, Christopher S.

APPLICANT: Sheppard, Paul O.

APPLICANT: Shoemaker, Kimberly E.

APPLICANT: Gilbertson, Debora G.

APPLICANT: West, James W.

TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGFA

FILE REFERENCE: 98-60C1

CURRENT APPLICATION NUMBER: US/09/706,968

PRIOR FILING DATE: 2000-11-06

PRIOR APPLICATION NUMBER: US/09/541,752

PRIOR FILING DATE: 2000-03-31

NUMBER OF SEQ ID NOS: 50

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 43

LENGTH: 345

TYPE: PRT

ORGANISM: Mus musculus

US-09-706-968-43

Query Match 89.6%; Score 1664; DB 4; Length 345;
 Best Local Similarity 86.7%; Pred. No. 1.5e-172;
 Matches 299; Conservative 28; Mismatches 18; Indels 0; Gaps 0;

QY 1 MSIFGLLVTSALAGRGRTQASNSLSKQFSSNKNKONGVODPOHERIITVSTNGSIHS 60
 Db 1 MLLGLLLTSALAGRTQASNSLSKQFSSNKNKONGVODPOHERIITVSTNGSIHS 60
 QY 61 PRPHYTPRNTVYVWRLVAEENWVIOITPDERFGLEDPEDDICKYDFVEEBSDDGTL 120
 Db 61 PRPHYTPRNTVYVWRLVAEENWVIOITPDERFGLEDPEDDICKYDFVEEBSDDGTL 120
 QY 121 GRMGSGTVPGKQISKNQIRIRFVSDYPPSEBPGFCIHYNIVMPQFTEAVSPVLPPSA 180
 Db 121 GRMGSGTVPGKQISKNQIRIRFVSDYPPSEBPGFCIHYNIVMPQFTEAVSPVLPPSA 180
 QY 181 LPLDLNNAITAFSTLBDLIRYLEPERWOLDLBDLYRPTWQLGKAFVFGKRSVVDLNT 240
 Db 181 LPLDLNNAITAFSTLBDLIRYLEPERWOLDLBDLYRPTWQLGKAFVFGKRSVVDLNT 240
 QY 241 LTRERVLVYCTPRNFSVSIRESLKRDTTIFWPGCLVYKRCGNCACCLHNCBQCVPK 300
 Db 241 LTRERVLVYCTPRNFSVSIRESLKRDTTIFWPGCLVYKRCGNCACCLHNCBQCVPK 300
 QY 301 VTKKYHEVLOLRPKTVGKGLHKSITDVALHHEBCDCVCRGSGG 345
 Db 301 VTKKYHEVLOLRPKTVGKGLHKSITDVALHHEBCDCVCRGSGG 345

RESULT 10

US-09-564-595D-54

Sequence 54, Application US/09564595D

Patent No. 6495668

GENERAL INFORMATION:

APPLICANT: Gilbert, Teresa

APPLICANT: Hart, Charles B.

APPLICANT: Sheppard, Paul O.

TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGFA

FILE REFERENCE: 99-19

```

1 CURRENT APPLICATION NUMBER: US/09/564,595B2
2
3 CURRENT FILING DATE: 2000-05-03
4
5 PRIOR APPLICATION NUMBER: US 09/304,216
6
7 PRIOR FILING DATE: 1999-05-03
8
9 PRIOR APPLICATION NUMBER: US 60/164,463
10
11 PRIOR FILING DATE: 1999-11-10
12
13 PRIOR APPLICATION NUMBER: US 60/180,169
14
15 PRIOR FILING DATE: 2000-02-04
16
17 NUMBER OF SEQ ID NOS: 57
18
19 SOFTWARE: FastSeq for Windows Version 4.0
20
21 SEQ ID NO: 54
22
23 LENGTH: 302
24
25 TYPE: PRT
26
27 ORGANISM: Artificial Sequence
28
29 FEATURES:
30
31 OTHER INFORMATION: fusion polypeptide
32
33 US-09-564-595D-54

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Query Match	71.3%	Score 1325	DB 4	Length 302
Best Local Similarity	82.8%	Pred. No. 9.6e-136		
Matches 246	Conservative 14	Mismatches 33	Indels 4	Gaps 2

Qy	46	HEHIIITWSTGSHSRPFHTYPRNTVLWRLVAEENWIIQLTDEFGJDEDEDIC	105
Db	1	HERIIITWSTGSHSRPFHTYPRNTVLWRLVAEENWIIQLTDEFGJDEDEDIC	60
Qy	106	YDFVEVEBBDGTLILRMCGSGTVPKQISKNOQIRIRFVDEYRSEBPGCIHNIYMP	165
Db	61	YDFVEVEBBDGTLILRMCGSGTVPKQISKNOQIRIRFVDEYRSEBPGCIHNIYMP	122
Qy	166	QPTAEVPSYLPSPSALPLDLNNAIAPSTLEDLIRYLEPBNMODLEDIYRPTMOLLGK	225
Db	121	QPTAEVPSYLPSPSALPLDLNNAIAPSTLEDLIRYLEPBNMODLEDIYRPTMOLLGK	188
Qy	226	APVFGKRSRVLDILLTTEEVRLYSTPRNFSYSIRBEKRTDTIIFWPGCLLVKRCGNCA	285
Db	181	APVFGKRSRVLDILLTTEEVRLYSTPRNFSYSIRBEKRTDTIIFWPGCLLVKRCGNCA	235
Qy	286	CCLAHNCECCQVPSXYTKKKYHEHLLQLRP---KTVRGAKSLTVDALAHNHECCQVC	339
Db	240	CGVNMRSCTGNSGKTVKQIHEVLOPEPHIIRKRGAKTMAVLVDLIDHNRCDIC	296

RESULT 11
US-09-564-595D-57

Query Match	68.2%;	Score 1266.5;	DB 4;	Length 303;
Best Local Similarity	78.9%;	Pred. No. 2:2e-129;		

Matches 240; Conservative 24; Mismatches 33; Indels 7; Gaps 4,

```

QY 47 ERITVSTNGSHSPREPHNYPRNTVWMLVAENVMVQLTDERGGLDDEPDICKY 106
QY 2 DETIYQKNGNYVOSPFPNPSYPRNLTWLRHS--QENTRIJLVJDNQGLBEAENDICKY 60
QY 107 DFEVEEBSPDGT--ILGRMCGSGTVPKQJISKQNOIRIRFYVSDXPSPSPGFCIHNYTM 164
Db 61 DFEVEVEDISTSTIRGRMCGHKKEVPPRISRTMOIKITPFSDDYFVAKPGFKITYSL-L 119
QY 165 POETBA--VSPSLPPSALPLDLNNAITAFSTLEDLIRLYBERMOWDLEDLYRPTWO 221
Db 120 EDQPPAASVSPSLPPSALPLDLNNAITAFSTLEDLIRLYBERMOWDLEDLYRPTWO 179
QY 222 LIGKAFYFGKRSRYVDNLLTTEBYRLYSCTPRNFSVSIREELKRTDTITFWPCCLLVKRCG 281
Db 180 LIGKAFYFGKRSRYVDNLLTTEBYRLYSCTPRNFSVSIREELKRTDTITFWPCCLLVKRCG 239
QY 282 GNCACCLHNCNCCQCVSKYTKKKYHEYLQLRPKYGVGLHSLTDVALHNEHCQVCRG 341
Db 240 GNCACCLHNCNCCQCVSKYTKKKYHEYLQLRPKYGVGLHSLTDVALHNEHCQVCRG 299
QY 342 STGG 345
Db 300 STGG 303

```

```

RESULT 12
US-09-564-595D-55
/ Sequence 55, Application US/09564595D
/ Patent No. 6495668
/ GENERAL INFORMATION:
/ APPLICANT: Gilbert, Teresa
/ APPLICANT: Hart, Charles E.
/ APPLICANT: Sheppard, Paul O.
/ TITLE OR INVENTION: GROWTH FACTOR HOMOLOG ZYBGF
/ FILE REFERENCE: 99-19
/ CURRENT APPLICATION NUMBER: US/09/564,595D
/ CURRENT FILING DATE: 2000-05-03
/ PRIOR APPLICATION NUMBER: US 09/304,216
/ PRIOR FILING DATE: 1999-05-03
/ PRIOR APPLICATION NUMBER: US 60/164,463
/ PRIOR FILING DATE: 1999-11-10
/ PRIOR APPLICATION NUMBER: US 60/180,169
/ PRIOR FILING DATE: 2000-02-04
/ NUMBER OF SEQ. ID NOS: 57
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 55
/ LENGTH: 316
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: fusion polypeptide
/ US-09-564-595D-55

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Query Match	59.1%	Score 1098	DB 4	Length 316
Best Local Similarity	67.1%	Pred. No. 5.2e-11		
Matches 210	26	Mismatches 55	Indels 22	Gaps 5

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QY 46 HERITVSTNGSIHSPPRPHTYPRNTLVMLVAEENVMVQLTFDESRFGLEDPEDDTCK 105
Db 1 HERITVSTNGSIHSPPRPHTYPRNTLVMLVAEENVMVQLTFDERGLEDPEDDTCK 60
QY 106 YDFEVEBEPSPDGTLLGRWCSGGTVPQKQISKGNQIRIRFVDEYRPSBGFCHINYVMP 165
Db 61 YDFEVEBEPSPDGTLLGRWCSGGTVPQKQISKGNQIRIRFVDEYRPSBGFCHINYVMP 120
QY 166 QPTEAV-----SPSVLPSALPLDILNNALTAFTLEDLIRYLBPERQ 209
Db 121 QPTEAVTWBESVYISIGSVYNSBVDPL-LIDALDCKIAAFVTEVDLRTFPEBSQ 179
QY 210 LDLEDDYRPTWOLLGKAFVFGKRSVVDNLNLTTEVRVLSCTPRNPSVSIREEKRTDTI 269

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Db 180 EDLENTYDTPRYGRSY-HDRKSK-VDLDRINDAKRYCTPRNYSVINREELKANV 237
 QY 270 FMPGCLLVKRGCGACCLHNCHNECOCVPSKVTKRYHEVQLRP---KTGVRLGHSKSLTD 326
 Db 238 FFPACLLVORCGGCGGCTGVWMSCTGNSGKTVKKYHEVQLFBSGHIKRRARATMALVLD 297
 QY 327 VALEHHEECDCVC 339
 Db 298 IOLDHHERCDIC 310

RESULT 13

US-09-564-595D-56
 ; Sequence 56, Application US/09564595D
 ; Patent No. 6495668
 ; GENERAL INFORMATION:
 ; APPLICANT: Gilbert, Teresa
 ; APPLICANT: Hart, Charles B.
 ; APPLICANT: Sheppard, Paul O.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
 ; FILE REFERENCE: 99-19
 ; CURRENT APPLICATION NUMBER: US/09/564,595D
 ; CURRENT FILING DATE: 2000-05-03
 ; PRIOR APPLICATION NUMBER: US 09/304,216
 ; PRIOR FILING DATE: 1999-05-03
 ; PRIOR APPLICATION NUMBER: US 60/164,463
 ; PRIOR FILING DATE: 1999-11-10
 ; PRIOR APPLICATION NUMBER: US 60/180,169
 ; PRIOR FILING DATE: 2000-02-04
 ; NUMBER OF SEQ ID NOS: 57
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 56
 ; LENGTH: 317
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; OTHER INFORMATION: fusion polypeptide
 ; US-09-564-595D-56

Query Match 56.6%; Score 1051.5; DB 4; Length 317;
 Best Local Similarity 63.8%; Pred. No. 66-106;
 Matches 204; Conservative 36; Mismatches 55; Indels 25; Gaps 6;

QY 47 ERITVSTNGSIHSPRPHTYPRNTVLVWLVAEENWVQLTPDERFGLDPEDDICKY 106
 Db 2 DETIOVKNKGTVOSBPRFNSYPRNMLLTWRHLS-OENTFIOLVFQDNGLEAEADICRY 60
 QY 107 DFVEVBERSDGT--ILGRWCGSGTVPGKQISKNOIRIFVSDPEPSEPCIHNYIMV 164
 Db 61 DFVEVEDISERTTIRGRWCHKEVPPIKSRTOIKTFKSDDFVAKPPEKLYSL-L 119
 QY 165 POFTEAV-----SPSVLPSPALPDLNNAITAFSTJEDLIRYLEP 205
 Db 120 EDFQPAASSETNWSVYSSISGVSNPSVTDPT-LIADALDKIAEDTJEDLAKYFNP 178
 QY 206 ERWQDLDELPRYPMOLGKAFVGRKSRVVDNLITTEVRLYSTPPNFSVSIREEIKR 265
 Db 179 BSMQEDLENMVLDPYRYGRSY-HDRKSKVVDNLITTEVRLYSTPPNFSVSIREEIKR 237
 QY 266 TDTLFWPGLLVKRGCGACCLHNCHNECOCVPSKVTKRYHEVQLRPKTVGRGLHSLT 325
 Db 238 TDTLFWPGLLVKRGCGACCLHNCHNECOCVPSKVTKRYHEVQLRPKTVGRGLHSLT 297
 QY 326 DVALEHHEECDCVCGRSGTG 345
 Db 298 DVALEHHEECDCVCGRSGTG 317

RESULT 14

US-09-457-066-37
 ; Sequence 37, Application US/09457066
 ; Patent No. 6432673
 ; GENERAL INFORMATION:

APPLICANT: Gao, Zeren
 ; APPLICANT: Hart, Charles E.
 ; APPLICANT: Piddington, Christopher S.
 ; APPLICANT: Sheppard, Paul O.
 ; APPLICANT: Shoemaker, Kimberly E.
 ; APPLICANT: Gilbertson, Debra G.
 ; APPLICANT: West, James W.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
 ; FILE REFERENCE: 98-60
 ; CURRENT APPLICATION NUMBER: US/09/457,066
 ; CURRENT FILING DATE: 1999-12-07
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 37
 ; LENGTH: 370
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-457-066-37

Query Match 39.9%; Score 741.5; DB 4; Length 370;
 Best Local Similarity 43.6%; Pred. No. 4,1e-72;
 Matches 159; Conservative 59; Mismatches 114; Indels 33; Gaps 10;

QY 3 LFGLLVTSALAGQRGTQASNLISKFQSSN--KEONGVOD-PQHERIITVSTNGSI 58
 Db 5 IFVYTLICANFSCRDTSATPQASIKALRNAMLRDESNHLLTDLYRDETIQVKGNGYV 64
 QY 59 HSPRPHTYPRNTVLVWLVAEENWVQLTPDERFGLDPEDDICKYDFVEBERSDGT 118
 Db 65 QSPRPFSYPRNMLLTWRHLS-OENTFIOLVFQDNGLEAEADICRYDFVEVEDISRTS 123
 QY 119 --ILGRWCGSGTVPGKQISKNOIRIFVSDPEPSEPCIHNYIMVPOFTEAV----- 171
 Db 124 TIIRGRWCHKEVPPIKSRTOIKTFKSDDFVAKPPEKLYSL-LDFQPAASSETN 182
 QY 172 -----SPSVLPSPALPDLNNAITAFSTJEDLIRYLEPBERWQDLDELRY 217
 Db 183 WESVTSISGVSNPSVTDPT-LIADALDKIAEDTJEDLAKYFNPESNQEDLENMVL 241
 QY 218 PTWOLGKAFVPGKSRVVDNLITTEVRLYSTPPNFSVSIREEIKRDTLFWPGLLV 277
 Db 242 DTPYRGRSY-HDRKSK-VDLDRINDAKRYCTPRNYSVINREELKANVFPFCLLV 299
 QY 278 KRCGGACCLHNCHNECOCVPSKVTKRYHEVQLRP---KTGVRLGHSKSLTDVALEHHEE 334
 Db 300 QRCGNGCGCTGVWMSCTGNSGKTVKKYHEVQLFBSGHIKRRARATMALVLDIHDHHR 359
 QY 335 CDCVC 339
 Db 360 CDCIC 364

RESULT 15

US-09-540-224-2
 ; Sequence 2, Application US/09540224
 ; Patent No. 6468543
 ; GENERAL INFORMATION:
 ; APPLICANT: Gilbertson, Debra G.
 ; APPLICANT: Hart, Charles B.
 ; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
 ; TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZVEGF4
 ; FILE REFERENCE: 00-28
 ; CURRENT APPLICATION NUMBER: US/09/540,224
 ; CURRENT FILING DATE: 2000-03-31
 ; EARLIER APPLICATION NUMBER: US 60/180,169
 ; EARLIER FILING DATE: 2000-02-04
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 370
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-540-224-2

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OM protein - protein search, using sw model

Run on: December 12, 2003, 18:49:23 ; Search time 27 Seconds

(Without alignments)
2376.458 Million cell updates/sec

Title: US-09-818-943-1

Perfect score: 1858
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Gapop 10.0 , Gapext 0.5

Searched: 684280 seqs, 185983659 residues

Total number of hits satisfying chosen parameters: 684280

Minimum DB seq length: 0
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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Published Applications AA:
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2: /cgn2_6/ptodata/2/pubppaa/PCT_NEW_PUB.pep.*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1858	100.0	345	US-09-818-943-1	Sequence 1, Appl1
2	1858	100.0	345	US-09-852-209A-3	Sequence 3, Appl1
3	1858	100.0	345	US-10-086-623-32	Sequence 32, Appl1
4	1858	100.0	345	US-10-260-539-32	Sequence 32, Appl1
5	1858	99.6	345	US-10-131-600-3	Sequence 3, Appl1
6	1851	99.6	345	US-09-823-033-2	Sequence 2, Appl1
7	1851	99.6	345	US-09-923-995-4	Sequence 4, Appl1
8	1851	99.6	345	US-09-795-006A-19	Sequence 149, App
9	1851	99.6	345	US-09-978-295A-488	Sequence 488, App
10	1851	99.6	345	US-09-978-697-488	Sequence 488, App
11	1851	99.6	345	US-09-978-192A-488	Sequence 488, App
12	1851	99.6	345	US-09-999-833A-488	Sequence 488, App
13	1851	99.6	345	US-09-999-833A-488	Sequence 488, App
14	1851	99.6	345	US-09-978-189-488	Sequence 488, App
15	1851	99.6	345	US-09-978-753-6	Sequence 6, Appl1
				US-09-978-608A-488	Sequence 488, App

16	1851	99.6	345	US-09-978-585A-488	Sequence 488, App
17	1851	99.6	345	US-09-978-191A-488	Sequence 488, App
18	1851	99.6	345	US-09-978-403A-488	Sequence 488, App
19	1851	99.6	345	US-09-978-564A-488	Sequence 488, App
20	1851	99.6	345	US-09-999-833A-488	Sequence 488, App
21	1851	99.6	345	US-09-981-915A-488	Sequence 488, App
22	1851	99.6	345	US-09-978-824-488	Sequence 488, App
23	1851	99.6	345	US-09-918-585A-488	Sequence 488, App
24	1851	99.6	345	US-09-978-423A-488	Sequence 488, App
25	1851	99.6	345	US-09-978-193A-488	Sequence 488, App
26	1851	99.6	345	US-09-999-830A-488	Sequence 488, App
27	1851	99.6	345	US-09-978-757A-488	Sequence 488, App
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29	1851	99.6	345	US-09-978-643A-488	Sequence 488, App
30	1851	99.6	345	US-09-978-375A-488	Sequence 488, App
31	1851	99.6	345	US-09-978-188A-488	Sequence 488, App
32	1851	99.6	345	US-09-978-298A-488	Sequence 488, App
33	1851	99.6	345	US-10-137-870A-286	Sequence 286, App
34	1851	99.6	345	US-10-140-018-286	Sequence 286, App
35	1851	99.6	345	US-10-140-021-286	Sequence 286, App
36	1851	99.6	345	US-10-140-274-286	Sequence 286, App
37	1851	99.6	345	US-10-140-471-286	Sequence 286, App
38	1851	99.6	345	US-10-140-807-286	Sequence 286, App
39	1851	99.6	345	US-10-140-922-286	Sequence 286, App
40	1851	99.6	345	US-10-140-924-286	Sequence 286, App
41	1851	99.6	345	US-10-140-926-286	Sequence 286, App
42	1851	99.6	345	US-10-141-698-286	Sequence 286, App
43	1851	99.6	345	US-10-141-702-286	Sequence 286, App
44	1851	99.6	345	US-10-141-704-286	Sequence 286, App
45	1851	99.6	345	US-10-142-421-286	Sequence 286, App

ALIGNMENTS

US-09-818-943-1
; Sequence 1, Application US/09818943
; Patent No. US20020049987A1
GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: Li, Xuli
; APPLICANT: PONTEN, Annica
; APPLICANT: MASE, Karin
; APPLICANT: Li, Hong
; TITLE OF INVENTION: NON-HUMAN TRANSGENIC ANIMALS EXPRESSING PLATELET-DERIVED GROWTH F.
; FILE REFERENCE: 1064/48487
; CURRENT APPLICATION NUMBER: US/09/818,943
; CURRENT FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: US 60/192,507
; PRIOR FILING DATE: 2000-03-28
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-818-943-1
Query Match 100.0%; Score 1858; DB 9; Length 345;
Best local similarity 100.0%; Pred. No. 3.6e-179;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSIFGLLVTSALAGRGRTQASNTSSKFPSSNTEONGVODPOHERITTVSTNGSIHS 60
DB 1 MSIFGLLVTSALAGRGRTQASNTSSKFPSSNTEONGVODPOHERITTVSTNGSIHS 60
QY PREPHTYPRNTVYVWLVVVEENWVIOLEPDERFGELEDEDDICXVDPEVEPSDGTLL 120
DB PREPHTYPRNTVYVWLVVVEENWVIOLEPDERFGELEDEDDICXVDPEVEPSDGTLL 120
QY 121 GRWCGSGTVGKQISKGNQIRIRFVSDVEYFPPSPGFCIHYNIVMPQFTEAVSPSVLPSPA 180

Db 121 GRWGSGTGVGKQISKGNQIRIRFVSDEYFSSBPGFCHINIVMPQTEAVSPSVLPESA 180
Qy 181 LPDLNNATTAFTSTEDLIRYLEPERWQDLEDLYRPTWOLGKAFVFGKRSRVVDLNT 240
Db 181 LPDLNNATTAFTSTEDLIRYLEPERWQDLEDLYRPTWOLGKAFVFGKRSRVVDLNT 240
Qy 241 LTRVRLYSCTPRNFSVSIREBLKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300
Db 241 LTRVRLYSCTPRNFSVSIREBLKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300
Qy 301 VTKKHEVLOLRPKTVGRGLKSLTDVALHEHBECCVCGSGTGG 345
Db 301 VTKKHEVLOLRPKTVGRGLKSLTDVALHEHBECCVCGSGTGG 345

RESULT 2

US-09-852-209A-3
Sequence 3, Application US/09852209A
Patent No. US20020164687A1
GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: AASE, Karin
APPLICANT: LEE, Xuri
APPLICANT: PONTEN, Annica
APPLICANT: DUTELA, Marko
APPLICANT: ALITALO, Kari
APPLICANT: OESTMAN, Arne
APPLICANT: HELDIN, Carl-Henrik
APPLICANT: BETHSHOLTZ, Christer
TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C, DNA CODING
FILE REFERENCE: 09-410349-Eriksson et al-1064-44740
CURRENT APPLICATION NUMBER: US/09/852,209A
CURRENT FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: 09/410,349
PRIOR FILING DATE: 1999-09-30
PRIOR APPLICATION NUMBER: 60/110,749
PRIOR FILING DATE: 1998-12-03
PRIOR APPLICATION NUMBER: 60/113,002
PRIOR FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: 60/135,426
PRIOR FILING DATE: 1999-05-21
PRIOR APPLICATION NUMBER: 60/144,022
PRIOR FILING DATE: 1999-07-15
NUMBER OF SEQ ID NOS: 39
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 345
TYPE: PRT
ORGANISM: Homo sapiens
US-09-852-209A-3

Query Match 100.0%; Score 1858; DB 10; Length 345;
Best Local Similarity 100.0%; Pred. No. 3.6e-179;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSIFGLLVTSLAAGRGTOAESNLSSKFOFSSNKGQVODPOHERITTVSTNGSIHS 60
Db 1 MSIFGLLVTSLAAGRGTOAESNLSSKFOFSSNKGQVODPOHERITTVSTNGSIHS 60
Qy 61 PRPHITPRNTVYLVWRLVAVBENWVQLTFDERFGLEDDEDDICKDYFVEVEBPSDGTIL 120
Db 61 PRPHITPRNTVYLVWRLVAVBENWVQLTFDERFGLEDDEDDICKDYFVEVEBPSDGTIL 120
Qy 121 GRWGSGTGVGKQISKGNQIRIRFVSDEYFSSBPGFCHINIVMPQTEAVSPSVLPESA 180
Db 121 GRWGSGTGVGKQISKGNQIRIRFVSDEYFSSBPGFCHINIVMPQTEAVSPSVLPESA 180
Qy 181 LPDLNNATTAFTSTEDLIRYLEPERWQDLEDLYRPTWOLGKAFVFGKRSRVVDLNT 240
Db 181 LPDLNNATTAFTSTEDLIRYLEPERWQDLEDLYRPTWOLGKAFVFGKRSRVVDLNT 240
Qy 241 LTRVRLYSCTPRNFSVSIREBLKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300
Db 241 LTRVRLYSCTPRNFSVSIREBLKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300

Qy 241 LTRVRLYSCTPRNFSVSIREBLKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300
Db 241 LTRVRLYSCTPRNFSVSIREBLKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300
Qy 301 VTKKHEVLOLRPKTVGRGLKSLTDVALHEHBECCVCGSGTGG 345
Db 301 VTKKHEVLOLRPKTVGRGLKSLTDVALHEHBECCVCGSGTGG 345

RESULT 3

US-10-086-623-32
Sequence 32, Application US/10086623
Publication No. US20020164710A1
GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: AASE, Karin
APPLICANT: LI, Xuri
APPLICANT: PONTEN, Annica
APPLICANT: DUTELA, Marko
APPLICANT: ALITALO, Kari
APPLICANT: OESTMAN, Arne
APPLICANT: HELDIN, Carl-Henrik
TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES TH
FILE REFERENCE: 1064/4483302
CURRENT APPLICATION NUMBER: US/10/086,623
CURRENT FILING DATE: 2000-03-04
PRIOR APPLICATION NUMBER: US 60/107,852
PRIOR FILING DATE: 1998-11-10
PRIOR APPLICATION NUMBER: US 60/113,997
PRIOR FILING DATE: 1998-12-28
PRIOR APPLICATION NUMBER: US 60/150,604
PRIOR FILING DATE: 1999-08-26
PRIOR APPLICATION NUMBER: US 60/157,108
PRIOR FILING DATE: 1999-10-04
PRIOR APPLICATION NUMBER: US 60/157,756
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: US 09/438,046
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 09/591,200
PRIOR FILING DATE: 2000-10-19
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn version 3.1
SEQ ID NO 32
LENGTH: 345
TYPE: PRT
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: misc:feature
OTHER INFORMATION: Amino acid sequence for PDGF-C
US-10-086-623-32

Query Match 100.0%; Score 1858; DB 14; Length 345;
Best Local Similarity 100.0%; Pred. No. 3.6e-179;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSIFGLLVTSLAAGRGTOAESNLSSKFOFSSNKGQVODPOHERITTVSTNGSIHS 60
Db 1 MSIFGLLVTSLAAGRGTOAESNLSSKFOFSSNKGQVODPOHERITTVSTNGSIHS 60
Qy 61 PRPHITPRNTVYLVWRLVAVBENWVQLTFDERFGLEDDEDDICKDYFVEVEBPSDGTIL 120
Db 61 PRPHITPRNTVYLVWRLVAVBENWVQLTFDERFGLEDDEDDICKDYFVEVEBPSDGTIL 120
Qy 121 GRWGSGTGVGKQISKGNQIRIRFVSDEYFSSBPGFCHINIVMPQTEAVSPSVLPESA 180
Db 121 GRWGSGTGVGKQISKGNQIRIRFVSDEYFSSBPGFCHINIVMPQTEAVSPSVLPESA 180
Qy 181 LPDLNNATTAFTSTEDLIRYLEPERWQDLEDLYRPTWOLGKAFVFGKRSRVVDLNT 240
Db 181 LPDLNNATTAFTSTEDLIRYLEPERWQDLEDLYRPTWOLGKAFVFGKRSRVVDLNT 240
Qy 241 LTRVRLYSCTPRNFSVSIREBLKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300
Db 241 LTRVRLYSCTPRNFSVSIREBLKRTDTTFWPGCLLVKRCGACACCLNHCNCCQCVPSK 300

Db 241 LTBVRLVSCPTPRNFVSIREBELKRTDTIFWPGCLLVKRCGACCACTHNCNCCQVPSK 300
QY 301 VTKKYHEVLOLRPTGVRGLHKSITDVALBHHBECDCVCGSTG 345
Db 301 VTKKYHEVLOLRPTGVRGLHKSITDVALBHHBECDCVCGSTG 345

RESULT 4

US-10-260-539-32
; Sequence 32, Application US/10260539
; Publication No. US20030073637A1
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: AASE, Karin
; APPLICANT: LI, Xuri
; APPLICANT: PONTEN, Annica
; APPLICANT: UTEHLA, Marko
; APPLICANT: ALITALO, Karl
; APPLICANT: OESTMAN, Arne
; APPLICANT: HELDIN, Carl-Henrik
; TITLE OF INVENTION: PLATELET DERIVED GROWTH FACTOR D, DNA CODING THEREFOR AND USES TH
; FILE REFERENCE: 1064/44833C2
; CURRENT APPLICATION NUMBER: US/10/260,539
; CURRENT FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: US/10/086,623
; PRIOR FILING DATE: 2000-03-04
; PRIOR APPLICATION NUMBER: US 60/107,852
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 60/113,997
; PRIOR FILING DATE: 1998-12-28
; PRIOR APPLICATION NUMBER: US 60/150,604
; PRIOR FILING DATE: 1999-08-26
; PRIOR APPLICATION NUMBER: US 60/157,108
; PRIOR FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: US 60/157,756
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: US 09/438,046
; PRIOR FILING DATE: 1999-11-10
; PRIOR APPLICATION NUMBER: US 09/691,200
; PRIOR FILING DATE: 2000-10-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Amino acid sequence for PDGF-C
US-10-260-539-32

Query Match 100.0%; Score 1858; DB 15; Length 345;
Best Local Similarity 100.0%; Pred. No. 3.6e-179;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGRRGTOAESNLSSKQFSSNKEQNVDPQHERIITVSTNGSIHS 60
Db 1 MSLEGLLVTSALAGRRGTOAESNLSSKQFSSNKEQNVDPQHERIITVSTNGSIHS 60
QY 61 PRPHYTPRNTVLVWRLVAEENWVLIQITDERFGLEDPEDDICKYDFVEVEBPSDGTIL 120
Db 61 PRPHYTPRNTVLVWRLVAEENWVLIQITDERFGLEDPEDDICKYDFVEVEBPSDGTIL 120
QY 121 GRWGSSTVPGKOISKQNOIRIRFVSDYFPPSEBGFCHINIVMPQTEAVSPSVLPESA 180
Db 121 GRWGSSTVPGKOISKQNOIRIRFVSDYFPPSEBGFCHINIVMPQTEAVSPSVLPESA 180
QY 181 LPDLNNATITAFSTEDLIRYLEPERWQDLDELVRPTQOLGKAFVFGKSRVVDLNT 240
Db 181 LPDLNNATITAFSTEDLIRYLEPERWQDLDELVRPTQOLGKAFVFGKSRVVDLNT 240
QY 241 LTBVRLVSCPTPRNFVSIREBELKRTDTIFWPGCLLVKRCGACCACTHNCNCCQVPSK 300
Db 241 LTBVRLVSCPTPRNFVSIREBELKRTDTIFWPGCLLVKRCGACCACTHNCNCCQVPSK 300

Db 241 LTBVRLVSCPTPRNFVSIREBELKRTDTIFWPGCLLVKRCGACCACTHNCNCCQVPSK 300
QY 301 VTKKYHEVLOLRPTGVRGLHKSITDVALBHHBECDCVCGSTG 345
Db 301 VTKKYHEVLOLRPTGVRGLHKSITDVALBHHBECDCVCGSTG 345

RESULT 5

US-10-131-600-3
; Sequence 3, Application US/10131600
; Publication No. US20030082670A1
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: AASE, Karin
; APPLICANT: LEE, Xuri
; APPLICANT: PONTEN, Annica
; APPLICANT: UTEHLA, Marko
; APPLICANT: ALITALO, Karl
; APPLICANT: OESTMAN, Arne
; APPLICANT: HELDIN, Carl-Henrik
; APPLICANT: BERTSHOLTZ, Christer
; TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C, DNA CODING
; TITLE OF INVENTION: THEREFOR, AND USES THEREOF
; FILE REFERENCE: 09-410349-Eriksson et al-1064-44740
; CURRENT APPLICATION NUMBER: US/10/131,600
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: US/09/410,349
; PRIOR FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: 60/108,109
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/110,749
; PRIOR FILING DATE: 1998-12-03
; PRIOR APPLICATION NUMBER: 60/113,002
; PRIOR FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: 60/135,426
; PRIOR FILING DATE: 1999-05-21
; PRIOR APPLICATION NUMBER: 60/144,022
; PRIOR FILING DATE: 1999-07-15
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-131-600-3

Query Match 100.0%; Score 1858; DB 15; Length 345;
Best Local Similarity 100.0%; Pred. No. 3.6e-179;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGRRGTOAESNLSSKQFSSNKEQNVDPQHERIITVSTNGSIHS 60
Db 1 MSLEGLLVTSALAGRRGTOAESNLSSKQFSSNKEQNVDPQHERIITVSTNGSIHS 60
QY 61 PRPHYTPRNTVLVWRLVAEENWVLIQITDERFGLEDPEDDICKYDFVEVEBPSDGTIL 120
Db 61 PRPHYTPRNTVLVWRLVAEENWVLIQITDERFGLEDPEDDICKYDFVEVEBPSDGTIL 120
QY 121 GRWGSSTVPGKOISKQNOIRIRFVSDYFPPSEBGFCHINIVMPQTEAVSPSVLPESA 180
Db 121 GRWGSSTVPGKOISKQNOIRIRFVSDYFPPSEBGFCHINIVMPQTEAVSPSVLPESA 180
QY 181 LPDLNNATITAFSTEDLIRYLEPERWQDLDELVRPTQOLGKAFVFGKSRVVDLNT 240
Db 181 LPDLNNATITAFSTEDLIRYLEPERWQDLDELVRPTQOLGKAFVFGKSRVVDLNT 240
QY 241 LTBVRLVSCPTPRNFVSIREBELKRTDTIFWPGCLLVKRCGACCACTHNCNCCQVPSK 300
Db 241 LTBVRLVSCPTPRNFVSIREBELKRTDTIFWPGCLLVKRCGACCACTHNCNCCQVPSK 300
QY 301 VTKKYHEVLOLRPTGVRGLHKSITDVALBHHBECDCVCGSTG 345
Db 301 VTKKYHEVLOLRPTGVRGLHKSITDVALBHHBECDCVCGSTG 345

RESULT 6
 US-09-823-033-2
 ; Sequence 2, Application US/09823033
 ; Patent No. US20020004225A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hart, Charles E.
 ; APPLICANT: Gilbertson, Debra G.
 ; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
 ; TITLE OF INVENTION: LIGAMENT AND CARTILAGE
 ; FILE REFERENCE: 00-112
 ; CURRENT APPLICATION NUMBER: US/09/823,033
 ; CURRENT FILING DATE: 2001-03-29
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 345
 ; TYPE: PRP
 ; ORGANISM: Homo sapiens
 US-09-823-033-2

Query Match 99.6%; Score 1851; DB 9; Length 345;
 Best Local Similarity 99.4%; Pred. No. 1.8e-178;
 Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
 DB 61 PRPHYTPRNTVWMLVAEENWVQLTFDEBERGLEDPEDDICKDVFVEEBSDDTIL 120
 61 PRPHYTPRNTVWMLVAEENWVQLTFDEBERGLEDPEDDICKDVFVEEBSDDTIL 120
 DB 61 PRPHYTPRNTVWMLVAEENWVQLTFDEBERGLEDPEDDICKDVFVEEBSDDTIL 120
 61 PRPHYTPRNTVWMLVAEENWVQLTFDEBERGLEDPEDDICKDVFVEEBSDDTIL 120
 QY 121 GRWCGGTVPKQISKGNQIRIRFVSDYEPSPGFCIHNIWMPOTFEAVSPSVLPSSA 180
 121 GRWCGGTVPKQISKGNQIRIRFVSDYEPSPGFCIHNIWMPOTFEAVSPSVLPSSA 180
 DB 121 GRWCGGTVPKQISKGNQIRIRFVSDYEPSPGFCIHNIWMPOTFEAVSPSVLPSSA 180
 121 GRWCGGTVPKQISKGNQIRIRFVSDYEPSPGFCIHNIWMPOTFEAVSPSVLPSSA 180
 QY 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKRSVVDLNT 240
 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKRSVVDLNT 240
 DB 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKRSVVDLNT 240
 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKRSVVDLNT 240
 QY 241 LTRERVLVSCIPNPFVSIRBELKRTDTIIPWGCCLVRCGACACCLANCNBCCVPSK 300
 241 LTRERVLVSCIPNPFVSIRBELKRTDTIIPWGCCLVRCGACACCLANCNBCCVPSK 300
 DB 241 LTRERVLVSCIPNPFVSIRBELKRTDTIIPWGCCLVRCGACACCLANCNBCCVPSK 300
 241 LTRERVLVSCIPNPFVSIRBELKRTDTIIPWGCCLVRCGACACCLANCNBCCVPSK 300
 QY 301 VTKKHEVLOLRPKTVGRGLHKSITDVALHHEECDCVCGSTGG 345
 301 VTKKHEVLOLRPKTVGRGLHKSITDVALHHEECDCVCGSTGG 345
 DB 301 VTKKHEVLOLRPKTVGRGLHKSITDVALHHEECDCVCGSTGG 345
 301 VTKKHEVLOLRPKTVGRGLHKSITDVALHHEECDCVCGSTGG 345

RESULT 7
 US-09-923-995-4
 ; Sequence 4, Application US/09923995
 ; Patent No. US20020081700A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sheppard, Paul O.
 ; TITLE OF INVENTION: SNAKE VENOM POLYPEPTIDE ZSNK1
 ; FILE REFERENCE: 00-47
 ; CURRENT APPLICATION NUMBER: US/09/923,995
 ; CURRENT FILING DATE: 2001-08-07
 ; PRIOR APPLICATION NUMBER: US 60/223,164
 ; PRIOR FILING DATE: 2000-08-07
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 4
 ; LENGTH: 345
 ; TYPE: PRP
 ; ORGANISM: Homo sapiens
 US-09-923-995-4

Query Match 99.6%; Score 1851; DB 9; Length 345;
 Best Local Similarity 99.4%; Pred. No. 1.8e-178;

Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
 DB 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
 QY 61 PRPHYTPRNTVWMLVAEENWVQLTFDEBERGLEDPEDDICKDVFVEEBSDDTIL 120
 61 PRPHYTPRNTVWMLVAEENWVQLTFDEBERGLEDPEDDICKDVFVEEBSDDTIL 120
 DB 61 PRPHYTPRNTVWMLVAEENWVQLTFDEBERGLEDPEDDICKDVFVEEBSDDTIL 120
 61 PRPHYTPRNTVWMLVAEENWVQLTFDEBERGLEDPEDDICKDVFVEEBSDDTIL 120
 QY 121 GRWCGGTVPKQISKGNQIRIRFVSDYEPSPGFCIHNIWMPOTFEAVSPSVLPSSA 180
 121 GRWCGGTVPKQISKGNQIRIRFVSDYEPSPGFCIHNIWMPOTFEAVSPSVLPSSA 180
 DB 121 GRWCGGTVPKQISKGNQIRIRFVSDYEPSPGFCIHNIWMPOTFEAVSPSVLPSSA 180
 121 GRWCGGTVPKQISKGNQIRIRFVSDYEPSPGFCIHNIWMPOTFEAVSPSVLPSSA 180
 QY 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKRSVVDLNT 240
 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKRSVVDLNT 240
 DB 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKRSVVDLNT 240
 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKRSVVDLNT 240
 QY 241 LTRERVLVSCIPNPFVSIRBELKRTDTIIPWGCCLVRCGACACCLANCNBCCVPSK 300
 241 LTRERVLVSCIPNPFVSIRBELKRTDTIIPWGCCLVRCGACACCLANCNBCCVPSK 300
 DB 241 LTRERVLVSCIPNPFVSIRBELKRTDTIIPWGCCLVRCGACACCLANCNBCCVPSK 300
 241 LTRERVLVSCIPNPFVSIRBELKRTDTIIPWGCCLVRCGACACCLANCNBCCVPSK 300

Query Match 99.6%; Score 1851; DB 10; Length 345;
 Best Local Similarity 99.4%; Pred. No. 1.8e-178;
 Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
 DB 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
 1 MSLEGLLVTSALAGRGTOAESNLSKQFSSNKEQNGVDPQHERIITVSTNGSIHS 60
 QY 61 PRPHYTPRNTVWMLVAEENWVQLTFDEBERGLEDPEDDICKDVFVEEBSDDTIL 120
 61 PRPHYTPRNTVWMLVAEENWVQLTFDEBERGLEDPEDDICKDVFVEEBSDDTIL 120
 DB 61 PRPHYTPRNTVWMLVAEENWVQLTFDEBERGLEDPEDDICKDVFVEEBSDDTIL 120
 61 PRPHYTPRNTVWMLVAEENWVQLTFDEBERGLEDPEDDICKDVFVEEBSDDTIL 120
 QY 121 GRWCGGTVPKQISKGNQIRIRFVSDYEPSPGFCIHNIWMPOTFEAVSPSVLPSSA 180
 121 GRWCGGTVPKQISKGNQIRIRFVSDYEPSPGFCIHNIWMPOTFEAVSPSVLPSSA 180
 DB 121 GRWCGGTVPKQISKGNQIRIRFVSDYEPSPGFCIHNIWMPOTFEAVSPSVLPSSA 180
 121 GRWCGGTVPKQISKGNQIRIRFVSDYEPSPGFCIHNIWMPOTFEAVSPSVLPSSA 180
 QY 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKRSVVDLNT 240
 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKRSVVDLNT 240
 DB 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKRSVVDLNT 240
 181 LPDLNNAITASTEDLIRYLEPERWQDLDELRYPTWQLGKAFVFGKRSVVDLNT 240
 QY 241 LTRERVLVSCIPNPFVSIRBELKRTDTIIPWGCCLVRCGACACCLANCNBCCVPSK 300
 241 LTRERVLVSCIPNPFVSIRBELKRTDTIIPWGCCLVRCGACACCLANCNBCCVPSK 300
 DB 241 LTRERVLVSCIPNPFVSIRBELKRTDTIIPWGCCLVRCGACACCLANCNBCCVPSK 300
 241 LTRERVLVSCIPNPFVSIRBELKRTDTIIPWGCCLVRCGACACCLANCNBCCVPSK 300

QY 301 VTKKHVLTQRPRTGVRGHLKSLTVDVALHHEHCDCVCRGSGTG 345
DB 301 VTKKHVLTQRPRTGVRGHLKSLTVDVALHHEHCDCVCRGSGTG 345

RESULT 9

US-09-978-295A-488
Sequence 488, Application US/09978295A
Patent No. US20020156006A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Batton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, Paul J.
APPLICANT: Guiney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James J.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C11
CURRENT APPLICATION NUMBER: US/09/978,295A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
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PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
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PRIOR APPLICATION NUMBER: 60/084627
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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 99.6%; Score 1851; DB 10; Length 345;
Best Local Similarity 99.4%; Pred. No. 1.8e-178;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLIVTSALAGORGTQAESNLSKQFSSNKNKONGVDPQHERIITVSTNGSIHS 60
DB 1 MSLEGLIVTSALAGORGTQAESNLSKQFSSNKNKONGVDPQHERIITVSTNGSIHS 60
QY PRPHPTVPTVTLVWRLVAEENWMIQLTFDERFGLDEPDDICKYQFVVEEBSDDTIL 120

DB 61 PRPHPTVPTVTLVWRLVAEENWMIQLTFDERFGLDEPDDICKYQFVVEEBSDDTIL 120
QY 121 GRMGSGTVPGKQISKNQRIIRFVSDXEPSPRGFCIHNTVMQPTAVVSPVLPSSA 180
DB 121 GRMGSGTVPGKQISKNQRIIRFVSDXEPSPRGFCIHNTVMQPTAVVSPVLPSSA 180
QY 181 LPDLNNATITAFSTLEDIIRYLEPERMQLDELDYRPTMQLGKAFVFGKRSVVDLNL 240
DB 181 LPDLNNATITAFSTLEDIIRYLEPERMQLDELDYRPTMQLGKAFVFGKRSVVDLNL 240
QY 241 LTRERLVYCTPRNFSVIREBIKRTDTIIPWPGCLLVKRCGNGCACCLNHCNCCQVPSK 300
DB 241 LTRERLVYCTPRNFSVIREBIKRTDTIIPWPGCLLVKRCGNGCACCLNHCNCCQVPSK 300
QY 301 VTKKHVTLQLRPKTGVRLHRSITDVALEHHEBCDVCGRSGTGG 345
DB 301 VTKKHVTLQLRPKTGVRLHRSITDVALEHHEBCDVCGRSGTGG 345

RESULT 10

US-09-978-697-488

Sequence 488, Application US/09978697
Patent No. US20020165284A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltisen, Mary B.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavitt, Ivar J.
APPLICANT: Luo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James J.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C27
CURRENT APPLICATION NUMBER: US/09/978,697
PRIOR FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
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PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
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PRIOR APPLICATION NUMBER: 60/077641
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PRIOR APPLICATION NUMBER: 60/077649

[illegible]

PRIOR APPLICATION NUMBER:	60/082704
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PRIOR FILING DATE:	1998-05-15
PRIOR APPLICATION NUMBER:	60/085573
PRIOR FILING DATE:	1998-05-15
PRIOR APPLICATION NUMBER:	60/085704

PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
Query Match 99.6%; Score 1851; DB 10; Length 345;
Best Local Similarity 99.4%; Pred. No. 1.8e-178;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLLGLLIVTSALAGORRGTQAESNLSSKFPSSNKEONGVODPOHERITVSTNGSIHS 60
DB 1 MSLLGLLIVTSALAGORRGTQAESNLSSKFPSSNKEONGVODPOHERITVSTNGSIHS 60
QY 61 PRPHPTVPRNTVWRLVAEENWVIOITPDERCELEDEEDICKYDVEVEEESDDITL 120
DB 61 PRPHPTVPRNTVWRLVAEENWVIOITPDERCELEDEEDICKYDVEVEEESDDITL 120
QY 121 GRMGSGTVPGKQISKGNOIRIRFVSDEYFPSEPCFJHVINIWMPOFTEAVSPSVLPSPA 180
DB 121 GRMGSGTVPGKQISKGNOIRIRFVSDEYFPSEPCFJHVINIWMPOFTEAVSPSVLPSPA 180
QY 181 LPDLILNNAITAFSTLEDLIRYLEPERWQDLEDLYRPTWQLGKAFVFGKSRVVDLNL 240
DB 181 LPDLILNNAITAFSTLEDLIRYLEPERWQDLEDLYRPTWQLGKAFVFGKSRVVDLNL 240
QY 241 LTERVRLVSCTPRNSVSIREELKRTDTITPFGCLIVRCCGNCACCLHNCNCCQVPSK 300
DB 241 LTERVRLVSCTPRNSVSIREELKRTDTITPFGCLIVRCCGNCACCLHNCNCCQVPSK 300
QY 301 VTKKHEVLOLRPKTVGGLHKSITDVALHHEBCDCVCRSGTSG 345
DB 301 VTKKHEVLOLRPKTVGGLHKSITDVALHHEBCDCVCRSGTSG 345

RESULT 11
US-09-978-192A-488
Sequence 488, Application US/09978192A
Patent No. US2002017553A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fond, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC9
CURRENT APPLICATION NUMBER: US/09/978,192A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 60/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17

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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 99.6%; Score 1851; DB 10; Length 345;
Best Local Similarity 99.4%; Pred. No. 1, 8e-178;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLVTSALAGRGTOAESNLSSKQFSSNNKONGVDPQHERIITVSTNGSIHS 60
DB 1 MSLEGLLVTSALAGRGTOAESNLSSKQFSSNNKONGVDPQHERIITVSTNGSIHS 60
QY 61 PREPHYPRNTVUWMLVAVENWVQLTDERFGLDEPDDICTDPVVEESPDSCTIL 120
DB 61 PREPHYPRNTVUWMLVAVENWVQLTDERFGLDEPDDICTDPVVEESPDSCTIL 120
QY 121 GRMGSGTVGKQISKQNOIRIFVDEYPPSPGCIHNYIMPOFTEAVSPSVLPSPA 180
DB 121 GRMGSGTVGKQISKQNOIRIFVDEYPPSPGCIHNYIMPOFTEAVSPSVLPSPA 180
QY 181 LPDLINNAITAFSTLEDLIRYLPERRWOLDLDPVPTWOLGKAFVGRKSRVVDLNT 240
DB 181 LPDLINNAITAFSTLEDLIRYLPERRWOLDLDPVPTWOLGKAFVGRKSRVVDLNT 240
QY 241 LTEEVLYSCTPNPNSVIREELKRTDTIFWPGCLVYKGGACACCHNCOCQPSK 300
DB 241 LTEEVLYSCTPNPNSVIREELKRTDTIFWPGCLVYKGGACACCHNCOCQPSK 300
QY 301 VTCKHEVQLRPTGVRGLHKSITDVALEHHECCDVCCKSGSTGG 345
DB 301 VTCKHEVQLRPTGVRGLHKSITDVALEHHECCDVCCKSGSTGG 345

RESULT 12
US-09-999-832A-488
Sequence 488, Application US/09999832A
Publication No. US20020192706A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eston, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Brian
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.

APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C63
CURRENT APPLICATION NUMBER: US/09/999, 832A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
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PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
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PRIOR FILING DATE: 1998-04-09
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PRIOR FILING DATE: 1998-04-09
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PRIOR FILING DATE: 1998-04-15
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PRIOR APPLICATION NUMBER: 60/081819
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PRIOR FILING DATE: 1998-05-07
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PRIOR APPLICATION NUMBER: 60/085580
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PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 99.6%; Score 1851; DB 10; Length 345;
Best Local Similarity 99.4%; Pred. No. 1,88-178;
Matches 345; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSLEGLLNTSALAGRGRTAENSLSKPOFSNKEONJYDPOHRIITVSTNGSIHS 60
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QY 61 PRPHYTPRNTVLMRLVAEENWMIQJTEDEFGLEDPEDDICKYDFVEVEEESDSTIL 120
DB 61 PRPHYTPRNTVLMRLVAEENWMIQJTEDEFGLEDPEDDICKYDFVEVEEESDSTIL 120
QY 121 GRMGSGSTVPGKQSKNOIRIRVSVSEYRPSSEGFCHINIVMPOTTEAVSPVLPSSA 180
DB 121 GRMGSGSTVPGKQSKNOIRIRVSVSEYRPSSEGFCHINIVMPOTTEAVSPVLPSSA 180
QY 181 LPDLNNATTAFTSLBDLRYLEPERMODLBDLYRPTQOLGKAVPGRKSRVNDNL 240
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QY 241 LTBSEVRLYSCTPRNFSVSIREBELRTDTITFMPGCLAVKRCGANCACCLHNCNECQVPSK 300
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DB 301 VTKYKHEVLOLRPTGTGRGLHKSITDVALHEHEBCDCVCKSGSTG 345

RESULT 13

US-09-978-189-488
Sequence 488, Application US/09978189
Publication No. US20030004102A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Bilen
APPLICANT: Fong, Sherman
APPLICANT: Geo, Wei-Qiang
APPLICANT: Gerber, Hanspeter

APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gunney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tuma, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC7
CURRENT APPLICATION NUMBER: US/09/978,189
PRIOR FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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PRIOR APPLICATION NUMBER: 60/085697

Query Match 99.6%; Score 1851; DB 11; Length 345;
Best Local Similarity 99.4%; Pred. No. 1.8e-178;
Matches 343; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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QY 121 GRWCGSGTVPGKOISKGNQIRIRFVSDEYFPPSPGFCIHNYIMVQFTEAVSSVLP 180
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QY 181 LPDLIDNNATASTEDLIRYEPERWOLDLDRPTMOLLGKXAFVGRKSRVVDLNL 240
DB 181 LPDLIDNNATASTEDLIRYEPERWOLDLDRPTMOLLGKXAFVGRKSRVVDLNL 240
QY 241 LTRERVLVSGTPRNPFSVIREBLKRTDTTFWPGCLLVKRCGNCACCLHNCHNCQCVPSK 300
DB 241 LTRERVLVSGTPRNPFSVIREBLKRTDTTFWPGCLLVKRCGNCACCLHNCHNCQCVPSK 300
QY 301 VTKKHEVVLQLRKXTGVKGLHKSLLTVALLHHEBCVCVCGSGTGG 345
DB 301 VTKKHEVVLQLRKXTGVKGLHKSLLTVALLHHEBCVCVCGSGTGG 345

RESULT 14
US-09-796-753-6

Db 1 MSLEGLLLTSALAGORQGTQABSNLSKQFSSNKEONGVDPQHERIITVSTNGSIHS 60
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Db 121 GRWCGSGTVPQKQISKGNQIRIRFVSDEYPPSEBPCIHYNIVMPQTEAVSPSLPPSA 180
Qy 181 LPDLNNAITAPSTEDLIRYLEPERWQDLBOLYRPTWQLGKAFVFGKSRVDLNL 240
Db 181 LPDLNNAITAPSTEDLIRYLEPERWQDLBOLYRPTWQLGKAFVFGKSRVDLNL 240
Qy 241 LTEREVLXSCTPRNFSVSIREBELKRTDTIFWPGCLVYRGGNCAACCLHNCBCCVPSK 300
Db 241 LTEREVLXSCTPRNFSVSIREBELKRTDTIFWPGCLVYRGGNCAACCLHNCBCCVPSK 300
Qy 301 VTKKYHEVLQLRPTKVGRGLHKSJTDVALBHEBECDCVCRGSTG 345
Db 301 VTKKYHEVLQLRPTKVGRGLHKSJTDVALBHEBECDCVCRGSTG 345

Search completed: December 12, 2003, 18:58:27
Job time : 28 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 12, 2003, 16:47:23 ; Search time 15 Seconds

(Without alignments)
973.150 Million cell updates/sec

Title: US-09-818-943-2

Perfect score: 1848

Sequence: 1 MLILGLLLTSLALAGRTGT.....DVALEHHEBCDCVCRGNAG 345

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Issued Patents AA:
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5: /cgn2_6/ptodata/1/1aa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1848	100.0	345	US-09-457-066-43	Sequence 43, Appl
2	1848	100.0	345	US-09-564-595D-35	Sequence 35, Appl
3	1848	100.0	345	US-09-706-968-43	Sequence 43, Appl
4	1667	90.2	345	US-09-040-320D-2	Sequence 2, Appl
5	1667	90.2	345	US-09-457-066-2	Sequence 2, Appl
6	1667	90.2	345	US-09-265-686-2	Sequence 2, Appl
7	1667	90.2	345	US-09-540-224-5	Sequence 5, Appl
8	1667	90.2	345	US-09-564-595D-33	Sequence 33, Appl
9	1667	90.2	345	US-09-706-968-2	Sequence 2, Appl
10	1204.5	65.2	303	US-09-564-595D-57	Sequence 57, Appl
11	1200	64.9	302	US-09-564-595D-54	Sequence 54, Appl
12	1035.5	55.1	317	US-09-564-595D-56	Sequence 56, Appl
13	1019	56.0	316	US-09-564-595D-55	Sequence 55, Appl
14	752	40.7	370	US-09-457-066-37	Sequence 37, Appl
15	752	40.7	370	US-09-540-224-2	Sequence 2, Appl
16	752	40.7	370	US-09-564-595D-2	Sequence 2, Appl
17	752	40.7	370	US-09-706-968-37	Sequence 37, Appl
18	746.5	40.4	370	US-09-540-224-4	Sequence 4, Appl
19	746.5	40.4	370	US-09-564-595D-53	Sequence 53, Appl
20	185	10.0	4	US-09-285-385C-2	Sequence 2, Appl
21	183	9.9	1012	US-09-285-385C-4	Sequence 4, Appl
22	181	9.8	788	US-08-572-325-1	Sequence 1, Appl
23	181	9.8	986	US-09-285-385C-19	Sequence 19, Appl
24	177.5	9.6	730	US-08-872-757-2	Sequence 2, Appl
25	177.5	9.6	730	US-09-850-048A-2	Sequence 2, Appl
26	175	9.5	101	US-09-374-135-6	Sequence 6, Appl
27	172	9.3	922	US-09-116-473-4	Sequence 4, Appl

28	169	9.1	923	US-08-936-135-6	Sequence 6, Appl
29	168	9.1	986	US-08-872-757-4	Sequence 4, Appl
30	168	9.1	986	US-09-850-048A-4	Sequence 4, Appl
31	165	8.9	1013	US-08-866-650-3	Sequence 3, Appl
32	165	8.9	1013	US-09-021-287-3	Sequence 3, Appl
33	165	8.9	1013	US-09-240-473-3	Sequence 3, Appl
34	162	8.8	591	US-08-991-408-4	Sequence 4, Appl
35	162	8.8	591	US-09-432-473-2	Sequence 4, Appl
36	162	8.8	1013	US-08-866-650-5	Sequence 5, Appl
37	162	8.8	1013	US-09-021-287-5	Sequence 5, Appl
38	162	8.8	1013	US-08-991-408-2	Sequence 2, Appl
39	162	8.8	1013	US-09-240-473-5	Sequence 5, Appl
40	162	8.8	1013	US-09-432-473-2	Sequence 2, Appl
41	162	8.8	1013	US-09-285-385C-20	Sequence 20, Appl
42	158	8.5	449	US-08-839-008-2	Sequence 2, Appl
43	158	8.5	449	US-08-839-008-9	Sequence 9, Appl
44	158	8.5	3623	US-09-341-461-2	Sequence 2, Appl
45	156.5	8.5	111	US-09-341-461-30	Sequence 30, Appl

ALIGNMENTS

RESULT 1
US-09-457-066-43
Sequence 43, Application US/09457066
Patent No. 6432673
GENERAL INFORMATION:
APPLICANT: Gao, Zeren
APPLICANT: Hart, Charles B.
APPLICANT: Piddington, Christopher S.
APPLICANT: Sheppard, Paul O.
APPLICANT: Sheppard, Kimberly B.
APPLICANT: Glibertson, Debra G.
APPLICANT: West, James W.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZYGR3
FILE REFERENCE: 98-60
CURRENT APPLICATION NUMBER: US/09/457,066
CURRENT FILING DATE: 1999-12-07
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 43
LENGTH: 345
TYPE: PRT
ORGANISM: Mus musculus
US-09-457-066-43

Query Match 100.0%; Score 1848; DB 4; Length 345;
Best Local Similarity 100.0%; Pred. No. 7.2e-195;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 301 VTKKYHEVLOLRPKTVGRLHKSITDVALHHEBCDCVCRGSGTG 345

RESULT 5
US-09-457-066-2
; Sequence 2, Application US/09457066
; Patent No. 6432673
; GENERAL INFORMATION:
; APPLICANT: Gao, Zeren
; APPLICANT: Hart, Charles E.
; APPLICANT: Piddington, Christopher S.
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Shoemaker, Kimberly E.
; APPLICANT: Gilbertson, Debra G.
; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZYBGF3
; FILE REFERENCE: 98-60
; CURRENT APPLICATION NUMBER: US/09/457,066
; CURRENT FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-457-066-2

Query Match 90.2%; Score 1667; DB 4; Length 345;
Best Local Similarity 87.0%; Pred. No. 6.2e-175;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;
QY 1 MLILGLLLTSALAGORTGTRABSNLSKQLSDSKONGVODPRHRRVTTISGNSIHS 60
DB 1 MSLEGLLLTSALAGORTGTRABSNLSKQLSDSKONGVODPRHRRVTTISGNSIHS 60
QY 61 PKPHTYPRNVAVLRVAVDENRITQTPDERFGLDEPDDICKYDFVEVEBPSDGL 120
DB 61 PKPHTYPRNVAVLRVAVDENRITQTPDERFGLDEPDDICKYDFVEVEBPSDGL 120
QY 121 GRWGSGTVGKQTSKGNHRIKRVSDYRPSRSGFCIHYSIIMPOVTESSVLPSS 180
DB 121 GRWGSGTVGKQTSKGNHRIKRVSDYRPSRSGFCIHYSIIMPOVTESSVLPSS 180
QY 181 LSLDLNNAVTAFTLEELRYLEPDRMVDLSLYKPTQMLGKATLYGKSKRVNLT 240
DB 181 LSLDLNNAVTAFTLEELRYLEPDRMVDLSLYKPTQMLGKATLYGKSKRVNLT 240
QY 241 LKEBVKYLSCTPRNFSYSIREELKRTDTITFWPGCLLYKRCGNCACCLAHNCEOCVPRK 300
DB 241 LKEBVKYLSCTPRNFSYSIREELKRTDTITFWPGCLLYKRCGNCACCLAHNCEOCVPRK 300
QY 301 VTKKYHEVLOLRPKTVGRLHKSITDVALHHEBCDCVCRGSGTG 345
DB 301 VTKKYHEVLOLRPKTVGRLHKSITDVALHHEBCDCVCRGSGTG 345

RESULT 6
US-09-265-686-2
; Sequence 2, Application US/09265686

Patent No. 6455283
; GENERAL INFORMATION:
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Kuo, Sophia S.
; TITLE OF INVENTION: POLYPEPTIDES HOMOLOGOUS TO VEGF AND BMP1
; FILE REFERENCE: P1122P2
; CURRENT APPLICATION NUMBER: US/09/265,686
; CURRENT FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: US 09/040,220
; PRIOR FILING DATE: 1998-03-17
; PRIOR APPLICATION NUMBER: US 09/184,216
; PRIOR FILING DATE: 1998-11-02
; NUMBER OF SEQ ID NOS: 8
; SEQ ID NO 2
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Human
US-09-265-686-2

Query Match 90.2%; Score 1667; DB 4; Length 345;
Best Local Similarity 87.0%; Pred. No. 6.2e-175;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;
QY 1 MLILGLLLTSALAGORTGTRABSNLSKQLSDSKONGVODPRHRRVTTISGNSIHS 60
DB 1 MSLEGLLLTSALAGORTGTRABSNLSKQLSDSKONGVODPRHRRVTTISGNSIHS 60
QY 61 PKPHTYPRNVAVLRVAVDENRITQTPDERFGLDEPDDICKYDFVEVEBPSDGL 120
DB 61 PKPHTYPRNVAVLRVAVDENRITQTPDERFGLDEPDDICKYDFVEVEBPSDGL 120
QY 121 GRWGSGTVGKQTSKGNHRIKRVSDYRPSRSGFCIHYSIIMPOVTESSVLPSS 180
DB 121 GRWGSGTVGKQTSKGNHRIKRVSDYRPSRSGFCIHYSIIMPOVTESSVLPSS 180
QY 181 LSLDLNNAVTAFTLEELRYLEPDRMVDLSLYKPTQMLGKATLYGKSKRVNLT 240
DB 181 LSLDLNNAVTAFTLEELRYLEPDRMVDLSLYKPTQMLGKATLYGKSKRVNLT 240
QY 241 LKEBVKYLSCTPRNFSYSIREELKRTDTITFWPGCLLYKRCGNCACCLAHNCEOCVPRK 300
DB 241 LKEBVKYLSCTPRNFSYSIREELKRTDTITFWPGCLLYKRCGNCACCLAHNCEOCVPRK 300
QY 301 VTKKYHEVLOLRPKTVGRLHKSITDVALHHEBCDCVCRGSGTG 345
DB 301 VTKKYHEVLOLRPKTVGRLHKSITDVALHHEBCDCVCRGSGTG 345

RESULT 7
US-09-540-224-5
; Sequence 5, Application US/09540224
; Patent No. 6468543
; GENERAL INFORMATION:
; APPLICANT: Gilbertson, Debra G.
; APPLICANT: Hart, Charles E.
; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
; TITLE OF INVENTION: LIGAMENT AND CARTILAGE USING ZYBGF4
; FILE REFERENCE: 00-28
; CURRENT APPLICATION NUMBER: US/09/540,224
; CURRENT FILING DATE: 2000-03-31
; EARLIER APPLICATION NUMBER: US 60/180,169
; EARLIER FILING DATE: 2000-02-04
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-540-224-5

Query Match 90.2%; Score 1667; DB 4; Length 345;
Best Local Similarity 87.0%; Pred. No. 6.2e-175;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGRTGTABSNLSKLOLSDKQONVDPHRRVVTISGNSIHS 60
DB 1 MSLLFGLLLTSALAGROGTQAESNLSKFOSSNKEQNVDPQHERITITVSTNGSIHS 60
QY 61 PKPHTYPRNMTLVNRLVAVDENVR1QLTFDERFGLDEPDDICXKDFVEVEEPPSGSVL 120
DB 61 PREPHTYPRNMTLVNRLVAVDENVR1QLTFDERFGLDEPDDICXKDFVEVEEPPSGSVL 120
QY 121 GRWCGSGTVPGKQTSKGNHRIIRFVSDYPPSPGFCIHYSIIMPQVETTSVLPSS 180
DB 121 GRWCGSGTVPGKQTSKGNHRIIRFVSDYPPSPGFCIHYSIIMPQVETTSVLPSS 180
QY 181 LSLDLNNAVTAFTSEELIRYLEPDRMQVDDSLYKPTWOLLGKAFLYGKSKVNNL 240
DB 181 LPLDLNNAVTAFTSEELIRYLEPDRMQVDDSLYKPTWOLLGKAFVGRKSRVVDNL 240
QY 241 LKEEVLVYCTPRNFSVSIRESLKRDTDTI FWPGLLVKRCGNACCLHNCBCCVCPK 300
DB 241 LKEEVLVYCTPRNFSVSIRESLKRDTDTI FWPGLLVKRCGNACCLHNCBCCVCPK 300
QY 301 VTKKHEVTLQLRPKTVGKGLHKSITDVALHHEBCDCCVCRGAGG 345
DB 301 VTKKHEVTLQLRPKTVGKGLHKSITDVALHHEBCDCCVCRGAGG 345

RESULT 8

US-09-564-595D-33
Sequence 33, Application US/09564595D
Patent No. 6495668
GENERAL INFORMATION:
APPLICANT: Gilbert, Teresa
APPLICANT: Hart, Charles E.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
FILE REFERENCE: 99-19
CURRENT APPLICATION NUMBER: US/09/564, 595D
CURRENT FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: US 09/304, 216
PRIOR FILING DATE: 1999-05-03
PRIOR APPLICATION NUMBER: US 60/164, 463
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: US 60/160, 169
PRIOR FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 33
LENGTH: 345
TYPE: PRT
ORGANISM: Homo sapiens
US-09-564-595D-33

Query Match 90.2%; Score 1667; DB 4; Length 345;
Best Local Similarity 87.0%; Pred. No. 6.2e-175;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGRTGTABSNLSKLOLSDKQONVDPHRRVVTISGNSIHS 60
DB 1 MSLLFGLLLTSALAGROGTQAESNLSKFOSSNKEQNVDPQHERITITVSTNGSIHS 60
QY 61 PKPHTYPRNMTLVNRLVAVDENVR1QLTFDERFGLDEPDDICXKDFVEVEEPPSGSVL 120
DB 61 PREPHTYPRNMTLVNRLVAVDENVR1QLTFDERFGLDEPDDICXKDFVEVEEPPSGSVL 120
QY 121 GRWCGSGTVPGKQTSKGNHRIIRFVSDYPPSPGFCIHYSIIMPQVETTSVLPSS 180
DB 121 GRWCGSGTVPGKQTSKGNHRIIRFVSDYPPSPGFCIHYSIIMPQVETTSVLPSS 180
QY 181 LSLDLNNAVTAFTSEELIRYLEPDRMQVDDSLYKPTWOLLGKAFLYGKSKVNNL 240
DB 181 LPLDLNNAVTAFTSEELIRYLEPDRMQVDDSLYKPTWOLLGKAFVGRKSRVVDNL 240
QY 241 LKEEVLVYCTPRNFSVSIRESLKRDTDTI FWPGLLVKRCGNACCLHNCBCCVCPK 300
DB 241 LKEEVLVYCTPRNFSVSIRESLKRDTDTI FWPGLLVKRCGNACCLHNCBCCVCPK 300

DB 241 LKEEVLVYCTPRNFSVSIRESLKRDTDTI FWPGLLVKRCGNACCLHNCBCCVCPK 300
QY 301 VTKKHEVTLQLRPKTVGKGLHKSITDVALHHEBCDCCVCRGAGG 345
DB 301 VTKKHEVTLQLRPKTVGKGLHKSITDVALHHEBCDCCVCRGAGG 345

RESULT 9

US-09-706-968-2
Sequence 2, Application US/09706968
Patent No. 6528050
GENERAL INFORMATION:
APPLICANT: Gao, Zeren
APPLICANT: Hart, Charles E.
APPLICANT: Piddington, Christopher S.
APPLICANT: Sheppard, Paul O.
APPLICANT: Shoemaker, Kimberly E.
APPLICANT: Gilbertson, Debra G.
APPLICANT: West, James W.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
FILE REFERENCE: 98-60C1
CURRENT APPLICATION NUMBER: US/09/706, 968
CURRENT FILING DATE: 2000-11-06
PRIOR APPLICATION NUMBER: US/09/541, 752
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 345
TYPE: PRT
ORGANISM: Homo sapiens
US-09-706-968-2

Query Match 90.2%; Score 1667; DB 4; Length 345;
Best Local Similarity 87.0%; Pred. No. 6.2e-175;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGRTGTABSNLSKLOLSDKQONVDPHRRVVTISGNSIHS 60
DB 1 MSLLFGLLLTSALAGROGTQAESNLSKFOSSNKEQNVDPQHERITITVSTNGSIHS 60
QY 61 PKPHTYPRNMTLVNRLVAVDENVR1QLTFDERFGLDEPDDICXKDFVEVEEPPSGSVL 120
DB 61 PREPHTYPRNMTLVNRLVAVDENVR1QLTFDERFGLDEPDDICXKDFVEVEEPPSGSVL 120
QY 121 GRWCGSGTVPGKQTSKGNHRIIRFVSDYPPSPGFCIHYSIIMPQVETTSVLPSS 180
DB 121 GRWCGSGTVPGKQTSKGNHRIIRFVSDYPPSPGFCIHYSIIMPQVETTSVLPSS 180
QY 181 LSLDLNNAVTAFTSEELIRYLEPDRMQVDDSLYKPTWOLLGKAFLYGKSKVNNL 240
DB 181 LPLDLNNAVTAFTSEELIRYLEPDRMQVDDSLYKPTWOLLGKAFVGRKSRVVDNL 240
QY 241 LKEEVLVYCTPRNFSVSIRESLKRDTDTI FWPGLLVKRCGNACCLHNCBCCVCPK 300
DB 241 LKEEVLVYCTPRNFSVSIRESLKRDTDTI FWPGLLVKRCGNACCLHNCBCCVCPK 300
QY 301 VTKKHEVTLQLRPKTVGKGLHKSITDVALHHEBCDCCVCRGAGG 345
DB 301 VTKKHEVTLQLRPKTVGKGLHKSITDVALHHEBCDCCVCRGAGG 345

RESULT 10

US-09-564-595D-57
Sequence 57, Application US/09564595D
Patent No. 6495668
GENERAL INFORMATION:
APPLICANT: Gilbert, Teresa
APPLICANT: Hart, Charles E.
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF4
FILE REFERENCE: 99-19

Db 180 SMOEDLEMYLDPFRYGRSY-HDRKSKVVDLMLTEBEVLVYSGTFRNPSVSIRESLAKRT 238
 QY 267 DTFWPGCLLVKRCGNCACCLHNCNECQCVPKRYTKRYEVLQLRPKTVGKGLHSLTD 326
 Db 239 DTFWPGCLLVKRCGNCACCLHNCNECQCVPKRYTKRYEVLQLRPKTVGKGLHSLTD 298
 QY 327 VALEHHECDVCVRGNAG 345
 Db 299 VALEHHECDVCVRGNAG 317

RESULT 13

US-09-564-595D-55
 ; Sequence 55; Application US/09564595D
 ; Patent No. 6495668
 ; GENERAL INFORMATION:
 ; APPLICANT: Gilbert, Teresa
 ; APPLICANT: Hart, Charles R.
 ; APPLICANT: Sheppard, Paul O.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOGY ZVEGF4
 ; FILE REFERENCE: 99-19
 ; CURRENT APPLICATION NUMBER: US/09/564,595D
 ; CURRENT FILING DATE: 2000-05-03
 ; PRIOR APPLICATION NUMBER: US 09/304,216
 ; PRIOR FILING DATE: 1999-05-03
 ; PRIOR APPLICATION NUMBER: US 60/164,463
 ; PRIOR FILING DATE: 1999-11-10
 ; PRIOR APPLICATION NUMBER: US 60/180,169
 ; PRIOR FILING DATE: 2000-02-04
 ; NUMBER OF SEQ ID NOS: 57
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 55
 ; LENGTH: 316
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: fusion polypeptide
 ; US-09-564-595D-55

Query Match 55.1%; Score 1019; DB 4; Length 316;
 Best Local Similarity 60.4%; Pred. No. 1.3e-103;

Matches 189; Conservative 41; Mismatches 61; Indels 22; Gaps 5;

QY 46 HERVVTISGNGSIHSPKPTTYPRNNVLA VADENVRIO LTPDERFGLADPEDDICK 105
 Db 1 HERIITVSTGSIHSPFPHTYPRNTVLA VAEENWMI OLPDERFGLADPEDDICK 60
 QY 106 YDVEVVEEBSGSGVLRGCGSGTVPGKQSKGNHRI RFSVSDYFSPBSPCHYSIIMP 165
 Db 61 YDVEVVEEBSGSGVLRGCGSGTVPGKQSKGNQIRI RFSVSDYFSPBSPCHYINIVMP 120
 QY 166 QVTEI-----TSPSYLPSPSSLDLNNAVTA FSTLEELIRYLEPDRMQ 209
 Db 121 QVTEIETNMSVTSISGVSYNSPSTVDP- TLADALDKIAEPDYEDLTKFNPESWQ 179
 QY 210 VDIISLYKPTWQLGKAFLYGKSKVNVNLKEEVLVYSGTFRNPSVSIRESLAKRTDT 269
 Db 180 EDLENNYLDTPRRYGRSY-HDRKSK- VDLRLINDAKRYSCTPRNYSVINIRESLKLANV 237
 QY 270 FWPGLLVKRCGNCACCLHNCNECQCVPKRYTKRYEVLQ LRPKTVGKGLHSLTD 326
 Db 238 FWPGLLVKRCGNCACCLHNCNECQCVPKRYTKRYEVLQ LRPKTVGKGLHSLTD 297
 QY 327 VALEHHECDVCVC 339
 Db 298 IOLDHHERCDIC 310

RESULT 14

US-09-457-066-37
 ; Sequence 37; Application US/09457066
 ; Patent No. 6432673
 ; GENERAL INFORMATION:

; APPLICANT: Gao, Zeren
 ; APPLICANT: Hart, Charles R.
 ; APPLICANT: Piddington, Christopher S.
 ; APPLICANT: Sheppard, Paul O.
 ; APPLICANT: Shoemaker, Kimberly E.
 ; APPLICANT: Gilbertson, Debra G.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOGY ZVEGF3
 ; FILE REFERENCE: 98-60
 ; CURRENT APPLICATION NUMBER: US/09/457,066
 ; CURRENT FILING DATE: 1999-12-07
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 37
 ; LENGTH: 370
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-457-066-37

Query Match 40.7%; Score 752; DB 4; Length 370;
 Best Local Similarity 45.3%; Pred. No. 4.3e-74;

Matches 148; Conservative 59; Mismatches 92; Indels 28; Gaps 9;

QY 37 EONGVOD-PRHERVVTISGNGSIHSPKPTTYPRNNVLA VADENVRIO LTPDERFGL 95
 Db 42 ESNHLLDLYRDETIQVKNQGVQSPRFPNSYPRNILLTWRLHS-QENTRIQLVFDNCG 100
 QY 96 LDDPEDDICKYDVEVVEEBSGSGVLRGCGSGTVPGKQSKGNHRI RFSVSDYFSPB 153
 Db 101 LEEAENDICRYDVEEDEDSETSTIRGRGCGHKEVPPKIRKQIKLTFSSDDYFVAK 160
 QY 154 PGFCIHSII--MPQVETTT-----SPSYLPSPSSLDLNNAVTA FST 195
 Db 161 PGFKIYISLDEDFQAAASSETNMSVTSISGVSYNSPSTVDP- TLADALDKIAEPDY 219
 QY 196 LBLIRIYLEPDRVQVLDLSLYKPTWQLGKAFLYGKSKVNVNLKEEVLVYSGTFRN 255
 Db 220 VEDLKYFNPESWQEDLENNYLDTPRRYGRSY-HDRKSK- VDLRLINDAKRYSCTPRN 277
 QY 256 SVSIREELKRTDTITWPGCLLVKRCGNCACCLHNCNECQCVPKRYTKRYEVLQ LRP 313
 Db 278 SVNIREELKLANVVFPRCLLVORCGNCACCLHNCNECQCVPKRYTKRYEVLQ LRP 337
 QY 314 -KTVGKGLHSLTDVALEHHECDVCVC 339
 Db 338 IRRGRKATMALVLDIOLDHHERCDIC 364

RESULT 15

US-09-540-224-2
 ; Sequence 2; Application US/09540224
 ; Patent No. 6468543
 ; GENERAL INFORMATION:

; APPLICANT: Gilbertson, Debra G.
 ; APPLICANT: Hart, Charles R.
 ; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
 ; FILE REFERENCE: 00-28
 ; CURRENT APPLICATION NUMBER: US/09/540,224
 ; CURRENT FILING DATE: 2000-03-31
 ; EARLIER APPLICATION NUMBER: US 60/180,169
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 370
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-540-224-2

Query Match 40.7%; Score 752; DB 4; Length 370;
 Best Local Similarity 45.3%; Pred. No. 4.3e-74;
 Matches 148; Conservative 59; Mismatches 92; Indels 28; Gaps 9;

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 12, 2003, 18:49:23 ; Search time 27 Seconds

(without alignments)
2376.458 Million cell updates/sec

Title: US-09-816-943-2

Perfect score: 1848 1 MLLGLLLTSALAGRTGT.....DVLEHHECDVCYCRGNAGG 345

Sequence: 1 MLLGLLLTSALAGRTGT.....DVLEHHECDVCYCRGNAGG 345

Scoring table: BLOSUM62

Gapop:10.0 , Gapext 0.5

Searched: 684280 seqs, 185983659 residues

Total number of hits satisfying chosen parameters: 684280

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/2/pubppa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/2/pubppa/PTCT_NEW_PUB.pep:*

3: /cgn2_6/ptodata/2/pubppa/US06_NEW_PUB.pep:*

4: /cgn2_6/ptodata/2/pubppa/US06_PUBCOMB.pep:*

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6: /cgn2_6/ptodata/2/pubppa/PTCT_NEW_PUBCOMB.pep:*

7: /cgn2_6/ptodata/2/pubppa/US08_NEW_PUB.pep:*

8: /cgn2_6/ptodata/2/pubppa/US09_PUBCOMB.pep:*

9: /cgn2_6/ptodata/2/pubppa/US09_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubppa/US09C_PUBCOMB.pep:*

11: /cgn2_6/ptodata/2/pubppa/US09C_PUBCOMB.pep:*

12: /cgn2_6/ptodata/2/pubppa/US09C_PUBCOMB.pep:*

13: /cgn2_6/ptodata/2/pubppa/US10A_PUBCOMB.pep:*

14: /cgn2_6/ptodata/2/pubppa/US10B_PUBCOMB.pep:*

15: /cgn2_6/ptodata/2/pubppa/US10C_PUBCOMB.pep:*

16: /cgn2_6/ptodata/2/pubppa/US10C_PUBCOMB.pep:*

17: /cgn2_6/ptodata/2/pubppa/US60_NEW_PUB.pep:*

18: /cgn2_6/ptodata/2/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the total score distribution.
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1848	100.0	345	9 US-09-823-033-4	Sequence 4, Appli
2	1848	100.0	345	9 US-09-816-943-2	Sequence 2, Appli
3	1848	100.0	345	10 US-09-852-209A-7	Sequence 7, Appli
4	1848	100.0	345	14 US-10-139-583-43	Sequence 43, Appli
5	1848	100.0	345	15 US-10-131-600-7	Sequence 7, Appli
6	1848	100.0	345	15 US-10-264-361-4	Sequence 4, Appli
7	1667	90.2	345	9 US-09-823-033-2	Sequence 2, Appli
8	1667	90.2	345	9 US-09-923-995-4	Sequence 4, Appli
9	1667	90.2	345	10 US-09-795-006A-149	Sequence 149, App
10	1667	90.2	345	10 US-09-978-295A-488	Sequence 488, App
11	1667	90.2	345	10 US-09-978-697-488	Sequence 488, App
12	1667	90.2	345	10 US-09-978-192A-488	Sequence 488, App
13	1667	90.2	345	10 US-09-978-832A-488	Sequence 488, App
14	1667	90.2	345	11 US-09-978-189-488	Sequence 488, App
15	1667	90.2	345	11 US-09-796-753-6	Sequence 6, Appli

16	1667	90.2	345	11 US-09-978-608A-488	Sequence 488, App
17	1667	90.2	345	11 US-09-978-585A-488	Sequence 488, App
18	1667	90.2	345	11 US-09-978-191A-488	Sequence 488, App
19	1667	90.2	345	11 US-09-978-403A-488	Sequence 488, App
20	1667	90.2	345	11 US-09-978-564A-488	Sequence 488, App
21	1667	90.2	345	11 US-09-978-833A-488	Sequence 488, App
22	1667	90.2	345	11 US-09-981-915A-488	Sequence 488, App
23	1667	90.2	345	11 US-09-978-824-488	Sequence 488, App
24	1667	90.2	345	11 US-09-918-585A-488	Sequence 488, App
25	1667	90.2	345	11 US-09-978-423A-488	Sequence 488, App
26	1667	90.2	345	11 US-09-978-193A-488	Sequence 488, App
27	1667	90.2	345	11 US-09-999-830A-488	Sequence 488, App
28	1667	90.2	345	11 US-09-978-757A-488	Sequence 488, App
29	1667	90.2	345	11 US-09-978-187B-488	Sequence 488, App
30	1667	90.2	345	11 US-09-978-643A-488	Sequence 488, App
31	1667	90.2	345	12 US-09-978-375A-488	Sequence 488, App
32	1667	90.2	345	12 US-09-978-188A-488	Sequence 488, App
33	1667	90.2	345	12 US-09-978-298A-488	Sequence 488, App
34	1667	90.2	345	12 US-10-137-870-286	Sequence 286, App
35	1667	90.2	345	12 US-10-140-018-286	Sequence 286, App
36	1667	90.2	345	12 US-10-140-021-286	Sequence 286, App
37	1667	90.2	345	12 US-10-140-274-286	Sequence 286, App
38	1667	90.2	345	12 US-10-140-471-286	Sequence 286, App
39	1667	90.2	345	12 US-10-140-807-286	Sequence 286, App
40	1667	90.2	345	12 US-10-140-922-286	Sequence 286, App
41	1667	90.2	345	12 US-10-140-924-286	Sequence 286, App
42	1667	90.2	345	12 US-10-140-926-286	Sequence 286, App
43	1667	90.2	345	12 US-10-141-698-286	Sequence 286, App
44	1667	90.2	345	12 US-10-141-702-286	Sequence 286, App
45	1667	90.2	345	12 US-10-141-704-286	Sequence 286, App

ALIGNMENTS

RESULT 1

US-09-823-033-4

Sequence 4, Application US/09823033

Patent No. US20020004225A1

GENERAL INFORMATION:

APPLICANT: Hart, Charles E.

APPLICANT: Gilbertson, Debra G.

TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,

FILE REFERENCE: 00-12

CURRENT APPLICATION NUMBER: US/09/823, 033

CURRENT FILING DATE: 2001-03-29

NUMBER OF SEQ ID NOS: 5

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 4

LENGTH: 345

TYPE: PRT

ORGANISM: Mus musculus

US-09-823-033-4

Query Match 100.0%; Score 1848; DB 9; Length 345;
Best Local Similarity 100.0%; Pred. No. 6.8e-174;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MLLGLLLTSALAGRTGTGRASNLSSKIQLSDDKONGVQDPRIHRRVTTISGNGSIHS 60
DB	1	MLLGLLLTSALAGRTGTGRASNLSSKIQLSDDKONGVQDPRIHRRVTTISGNGSIHS 60
QY	61	KPEPHYPRMWTVMRLVAVDENVRIOITFDEBFGLEDPEDDICKYDPVVEPSSQSVL 120
DB	61	KPEPHYPRMWTVMRLVAVDENVRIOITFDEBFGLEDPEDDICKYDPVVEPSSQSVL 120
QY	121	GRWGSCTVPGKOTSKGNHRIHFVSDYEPSPGCIHYSIMPOVTTETSSVLPSS 180
DB	121	GRWGSCTVPGKOTSKGNHRIHFVSDYEPSPGCIHYSIMPOVTTETSSVLPSS 180
QY	181	LSLDLNNATPASTBELIRYLEPRMOVDLSLYKPTWOLGKAPLYGKSKRVNLT 240
DB	181	LSLDLNNATPASTBELIRYLEPRMOVDLSLYKPTWOLGKAPLYGKSKRVNLT 240

Db 181 LSLDLNNVAVTASTBELIRYLEPDRKQVLDLSLYKPTNOLIGKAFLYGKSKVNNL 240
 QY 241 LKEEVKLYSCTPRNFSVSIREEBKRTDTTFWPGCLLVKRCGNCACCLHNCNECCQVPRK 300
 Db 241 LKEEVKLYSCTPRNFSVSIREEBKRTDTTFWPGCLLVKRCGNCACCLHNCNECCQVPRK 300
 QY 301 VTKKHEVLTQLRPKTVGKGLHKSITDVALHHEBCDCVCRGNAGG 345
 Db 301 VTKKHEVLTQLRPKTVGKGLHKSITDVALHHEBCDCVCRGNAGG 345

RESULT 2
 US-09-818-943-2
 ; Sequence 2, Application US/09818943
 ; Patent No. US20020043987A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ERIKSSON, Ulf
 ; APPLICANT: LI, Kari
 ; APPLICANT: PONTEN, Annica
 ; APPLICANT: AASE, Karin
 ; APPLICANT: LI, Hong
 ; TITLE OF INVENTION: NON-HUMAN TRANSGENIC ANIMALS EXPRESSING PLATELET-DERIVED GROWTH F
 ; TITLE OF INVENTION: (PGEF-C) AND USES THEREOF
 ; FILE REFERENCE: 1064/48487
 ; CURRENT APPLICATION NUMBER: US/09/818,943
 ; PRIOR FILING DATE: 2001-03-28
 ; PRIOR APPLICATION NUMBER: US 60/192,507
 ; PRIOR FILING DATE: 2000-03-28
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 2
 ; TYPE: PRK
 ; LENGTH: 345
 ; ORGANISM: Murinae gen. sp.
 ; US-09-818-943-2

Query Match 100.0%; Score 1848; DB 9; Length 345;
 Best Local Similarity 100.0%; Pred. No. 6,8e-174;
 Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLILGILLTSLAAGRTGRASNSLSKQLSSDKQNGVDPHRRVYITSGNGSIHS 60
 Db 1 MLILGILLTSLAAGRTGRASNSLSKQLSSDKQNGVDPHRRVYITSGNGSIHS 60
 QY 61 PKPHTYPRNMLVWRLVAVDENVRIOITFDERFGLDEPDDICKYDFVEVEPSDGSYL 120
 Db 61 PKPHTYPRNMLVWRLVAVDENVRIOITFDERFGLDEPDDICKYDFVEVEPSDGSYL 120
 QY 121 GRWCGSGTVPGKQTSKGNHIRIRFVSDEYFSEPGFCIHYSIIMPOVTEITSPSYLPPSS 180
 Db 121 GRWCGSGTVPGKQTSKGNHIRIRFVSDEYFSEPGFCIHYSIIMPOVTEITSPSYLPPSS 180
 QY 181 LSLDLNNVAVTASTBELIRYLEPDRKQVLDLSLYKPTNOLIGKAFLYGKSKVNNL 240
 Db 181 LSLDLNNVAVTASTBELIRYLEPDRKQVLDLSLYKPTNOLIGKAFLYGKSKVNNL 240
 QY 241 LKEEVKLYSCTPRNFSVSIREEBKRTDTTFWPGCLLVKRCGNCACCLHNCNECCQVPRK 300
 Db 241 LKEEVKLYSCTPRNFSVSIREEBKRTDTTFWPGCLLVKRCGNCACCLHNCNECCQVPRK 300
 QY 301 VTKKHEVLTQLRPKTVGKGLHKSITDVALHHEBCDCVCRGNAGG 345
 Db 301 VTKKHEVLTQLRPKTVGKGLHKSITDVALHHEBCDCVCRGNAGG 345

RESULT 3
 US-09-852-209A-7
 ; Sequence 7, Application US/09852209A
 ; Patent No. US20020164687A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ERIKSSON, Ulf
 ; APPLICANT: AASE, Karin
 ; APPLICANT: LI, Hong
 ; APPLICANT: PONTEN, Annica
 ; APPLICANT: AASE, Karin
 ; APPLICANT: LI, Hong
 ; TITLE OF INVENTION: NON-HUMAN TRANSGENIC ANIMALS EXPRESSING PLATELET-DERIVED GROWTH F
 ; TITLE OF INVENTION: (PGEF-C) AND USES THEREOF
 ; FILE REFERENCE: 1064/48487
 ; CURRENT APPLICATION NUMBER: US/09/818,943
 ; PRIOR FILING DATE: 2001-03-28
 ; PRIOR APPLICATION NUMBER: US 60/192,507
 ; PRIOR FILING DATE: 2000-03-28
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 2
 ; TYPE: PRK
 ; LENGTH: 345
 ; ORGANISM: Murinae gen. sp.
 ; US-09-818-943-2

APPLICANT: PONTEN, Annica
 APPLICANT: UTELA, Marko
 APPLICANT: ALITALO, Kari
 APPLICANT: OESTMAN, Arne
 APPLICANT: HELDIN, Carl-Henrik
 APPLICANT: BISHOLTZ, Christel
 TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C, DNA CODING
 TITLE OF INVENTION: THEREFOR, AND USES THEREOF
 FILE REFERENCE: 09-410349-Eriksson et al-1064-44740
 CURRENT APPLICATION NUMBER: US/09/852,209A
 PRIOR FILING DATE: 2001-05-10
 PRIOR APPLICATION NUMBER: 09/410,349
 PRIOR FILING DATE: 1999-09-30
 PRIOR APPLICATION NUMBER: 60/110,749
 PRIOR FILING DATE: 1998-12-03
 PRIOR APPLICATION NUMBER: 60/113,002
 PRIOR FILING DATE: 1998-12-18
 PRIOR APPLICATION NUMBER: 60/135,426
 PRIOR FILING DATE: 1999-05-21
 PRIOR APPLICATION NUMBER: 60/144,022
 PRIOR FILING DATE: 1999-07-15
 NUMBER OF SEQ ID NOS: 39
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 7
 TYPE: PRK
 LENGTH: 345
 ORGANISM: Murinae gen. sp.
 US-09-852-209A-7

Query Match 100.0%; Score 1848; DB 10; Length 345;
 Best Local Similarity 100.0%; Pred. No. 6,8e-174;
 Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLILGILLTSLAAGRTGRASNSLSKQLSSDKQNGVDPHRRVYITSGNGSIHS 60
 Db 1 MLILGILLTSLAAGRTGRASNSLSKQLSSDKQNGVDPHRRVYITSGNGSIHS 60
 QY 61 PKPHTYPRNMLVWRLVAVDENVRIOITFDERFGLDEPDDICKYDFVEVEPSDGSYL 120
 Db 61 PKPHTYPRNMLVWRLVAVDENVRIOITFDERFGLDEPDDICKYDFVEVEPSDGSYL 120
 QY 121 GRWCGSGTVPGKQTSKGNHIRIRFVSDEYFSEPGFCIHYSIIMPOVTEITSPSYLPPSS 180
 Db 121 GRWCGSGTVPGKQTSKGNHIRIRFVSDEYFSEPGFCIHYSIIMPOVTEITSPSYLPPSS 180
 QY 181 LSLDLNNVAVTASTBELIRYLEPDRKQVLDLSLYKPTNOLIGKAFLYGKSKVNNL 240
 Db 181 LSLDLNNVAVTASTBELIRYLEPDRKQVLDLSLYKPTNOLIGKAFLYGKSKVNNL 240
 QY 241 LKEEVKLYSCTPRNFSVSIREEBKRTDTTFWPGCLLVKRCGNCACCLHNCNECCQVPRK 300
 Db 241 LKEEVKLYSCTPRNFSVSIREEBKRTDTTFWPGCLLVKRCGNCACCLHNCNECCQVPRK 300
 QY 301 VTKKHEVLTQLRPKTVGKGLHKSITDVALHHEBCDCVCRGNAGG 345
 Db 301 VTKKHEVLTQLRPKTVGKGLHKSITDVALHHEBCDCVCRGNAGG 345

RESULT 4
 US-10-139-583-43
 ; Sequence 43, Application US/10139583
 ; Publication No. US20020177193A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Gao, Zeren
 ; APPLICANT: Hart, Charles E.
 ; APPLICANT: Piddington, Christopher S.
 ; APPLICANT: Sheppard, Paul O.
 ; APPLICANT: Shoemaker, Kimberly E.
 ; APPLICANT: Gilbertson, Debra G.
 ; APPLICANT: West, James W.
 ; TITLE OF INVENTION: GROWTH FACTOR HOMOLOG ZVEGF3
 ; FILE REFERENCE: 98-60
 ; CURRENT APPLICATION NUMBER: US/10/139,583

CURRENT FILING DATE: 2002-05-02
PRIOR APPLICATION NUMBER: 09/457,066
PRIOR FILING DATE: 1999-12-07
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 43
LENGTH: 345
TYPE: PRT
ORGANISM: Mus musculus
US-10-139-583-43

Query Match 100.0%; Score 1848; DB 14; Length 345;
Best Local Similarity 100.0%; Pred. No. 6,8e-174;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGLLLITSLAAGRTGTRASNSLSKQLSSDKQNGVODPRHRRVVTISGNSIHS 60
DB 1 MLLGLLLITSLAAGRTGTRASNSLSKQLSSDKQNGVODPRHRRVVTISGNSIHS 60
QY 61 PKPHTYPRNMVLMVRLVAVDENVRQLTFDERFGLEDEDDICXKDFEVEEPPSDGSL 120
DB 61 PKPHTYPRNMVLMVRLVAVDENVRQLTFDERFGLEDEDDICXKDFEVEEPPSDGSL 120
QY 121 GRWCGSGTVPGKOTSGKNHRIIRFVSDEYFSPBPGCIHYSIIMPOVETTSPSVLPSS 180
DB 121 GRWCGSGTVPGKOTSGKNHRIIRFVSDEYFSPBPGCIHYSIIMPOVETTSPSVLPSS 180
QY 181 LSLDLNNAVTAFTSTLEELIRYLEPDRWQVDLSLYKPTWOLLGKAFLYGKSKRVNML 240
DB 181 LSLDLNNAVTAFTSTLEELIRYLEPDRWQVDLSLYKPTWOLLGKAFLYGKSKRVNML 240
QY 241 LKEEVKLYSCTPRNFVSIREELKRTDTTFMPGCLLYKRCGNCACCLNHCNECCVPRK 300
DB 241 LKEEVKLYSCTPRNFVSIREELKRTDTTFMPGCLLYKRCGNCACCLNHCNECCVPRK 300
QY 301 VTCKYHEVQLARPRTGVKGLHKSITDVALHHEBDCVCGRNAG 345
DB 301 VTCKYHEVQLARPRTGVKGLHKSITDVALHHEBDCVCGRNAG 345

RESULT 5

US-10-131-600-7
Sequence 7, Application US/10131600
Publication No. US20030082670A1
GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: AASE, Karin
APPLICANT: LSE, Xuri
APPLICANT: PONTEN, Annica
APPLICANT: TUTELA, Marko
APPLICANT: ALITALO, Kari
APPLICANT: ORSTMAN, Arne
APPLICANT: HEIDIN, Carl-Heinrik
APPLICANT: BERTSOLT, Christer
TITLE OF INVENTION: PLATELET-DERIVED GROWTH FACTOR C, DNA CODING
FILE REFERENCE: 09-410349-Eriksson et al.-1064-44740
CURRENT APPLICATION NUMBER: US/10/131,600
CURRENT FILING DATE: 2002-04-25
PRIOR APPLICATION NUMBER: US/09/410,349
PRIOR FILING DATE: 1999-09-30
PRIOR APPLICATION NUMBER: 60/108,109
PRIOR FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: 60/110,749
PRIOR FILING DATE: 1998-12-03
PRIOR APPLICATION NUMBER: 60/113,002
PRIOR FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: 60/135,426
PRIOR FILING DATE: 1999-05-21
PRIOR APPLICATION NUMBER: 60/144,022
PRIOR FILING DATE: 1999-07-15
NUMBER OF SEQ ID NOS: 39
SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 7
LENGTH: 345
TYPE: PRT
ORGANISM: Murinae gen. sp.
US-10-131-600-7

Query Match 100.0%; Score 1848; DB 15; Length 345;
Best Local Similarity 100.0%; Pred. No. 6,8e-174;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGLLLITSLAAGRTGTRASNSLSKQLSSDKQNGVODPRHRRVVTISGNSIHS 60
DB 1 MLLGLLLITSLAAGRTGTRASNSLSKQLSSDKQNGVODPRHRRVVTISGNSIHS 60
QY 61 PKPHTYPRNMVLMVRLVAVDENVRQLTFDERFGLEDEDDICXKDFEVEEPPSDGSL 120
DB 61 PKPHTYPRNMVLMVRLVAVDENVRQLTFDERFGLEDEDDICXKDFEVEEPPSDGSL 120
QY 121 GRWCGSGTVPGKOTSGKNHRIIRFVSDEYFSPBPGCIHYSIIMPOVETTSPSVLPSS 180
DB 121 GRWCGSGTVPGKOTSGKNHRIIRFVSDEYFSPBPGCIHYSIIMPOVETTSPSVLPSS 180
QY 181 LSLDLNNAVTAFTSTLEELIRYLEPDRWQVDLSLYKPTWOLLGKAFLYGKSKRVNML 240
DB 181 LSLDLNNAVTAFTSTLEELIRYLEPDRWQVDLSLYKPTWOLLGKAFLYGKSKRVNML 240
QY 241 LKEEVKLYSCTPRNFVSIREELKRTDTTFMPGCLLYKRCGNCACCLNHCNECCVPRK 300
DB 241 LKEEVKLYSCTPRNFVSIREELKRTDTTFMPGCLLYKRCGNCACCLNHCNECCVPRK 300
QY 301 VTCKYHEVQLARPRTGVKGLHKSITDVALHHEBDCVCGRNAG 345
DB 301 VTCKYHEVQLARPRTGVKGLHKSITDVALHHEBDCVCGRNAG 345

RESULT 6

US-10-264-361-4
Sequence 4, Application US/10264361
Publication No. US20030087870A1
GENERAL INFORMATION:
APPLICANT: Gilbertson, Debra G.
TITLE OF INVENTION: METHOD OF TREATING FIBROSIS
FILE REFERENCE: 00-53
CURRENT APPLICATION NUMBER: US/10/264,361
CURRENT FILING DATE: 2002-10-03
PRIOR APPLICATION NUMBER: US/09/695,121
PRIOR FILING DATE: 2000-10-23
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4
LENGTH: 345
TYPE: PRT
ORGANISM: Mus musculus
US-10-264-361-4

Query Match 100.0%; Score 1848; DB 15; Length 345;
Best Local Similarity 100.0%; Pred. No. 6,8e-174;
Matches 345; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLLGLLLITSLAAGRTGTRASNSLSKQLSSDKQNGVODPRHRRVVTISGNSIHS 60
DB 1 MLLGLLLITSLAAGRTGTRASNSLSKQLSSDKQNGVODPRHRRVVTISGNSIHS 60
QY 61 PKPHTYPRNMVLMVRLVAVDENVRQLTFDERFGLEDEDDICXKDFEVEEPPSDGSL 120
DB 61 PKPHTYPRNMVLMVRLVAVDENVRQLTFDERFGLEDEDDICXKDFEVEEPPSDGSL 120
QY 121 GRWCGSGTVPGKOTSGKNHRIIRFVSDEYFSPBPGCIHYSIIMPOVETTSPSVLPSS 180
DB 121 GRWCGSGTVPGKOTSGKNHRIIRFVSDEYFSPBPGCIHYSIIMPOVETTSPSVLPSS 180
QY 181 LSLDLNNAVTAFTSTLEELIRYLEPDRWQVDLSLYKPTWOLLGKAFLYGKSKRVNML 240
DB 181 LSLDLNNAVTAFTSTLEELIRYLEPDRWQVDLSLYKPTWOLLGKAFLYGKSKRVNML 240

Db 181 LSLDLNNAVAFSTLEELIRYLEPDRQVLDLSLYKPTWQLLGAFLYKSKSVNLT 240
 QY 241 LKEEVKLYSCTPRNFSVSIREELEKRTDTTFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
 Db 241 LKEEVKLYSCTPRNFSVSIREELEKRTDTTFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
 QY 301 VTKKYHEVLAQRPRTGVGGLHKSITDVALHHEBCCDCVCRGNAG 345
 Db 301 VTKKYHEVLAQRPRTGVGGLHKSITDVALHHEBCCDCVCRGNAG 345

RESULT 7

US-09-823-033-2
 ; Sequence 2, Application US/09823033
 ; Patent No. US20020004225A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hart, Charles B.
 ; APPLICANT: Gilbertson, Debra G.
 ; TITLE OF INVENTION: METHODS FOR PROMOTING GROWTH OF BONE,
 ; TITLE OF INVENTION: LIGAMENT AND CARTILAGE
 ; FILE REFERENCE: 00-12
 ; CURRENT APPLICATION NUMBER: US/09/823,033
 ; CURRENT FILING DATE: 2001-03-29
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 345
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-823-033-2

Query Match 90.2%; Score 1667; DB 9; Length 345;
 Best Local Similarity 87.0%; Pred. No. 5,2e-156;
 Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGORTGRABSNLSKQLSDSKQNVODPRHRYVTTISNGSIHS 60
 Db 1 MSFLGLLLTSALAGORTGRABSNLSKQFSSNKEQNVODPOHERITVSTNGSIHS 60
 QY 61 PKPHTYPRNMTVWRLVAVDENVRIOLEPDERFGLDEPDDICXDFVEVEEPPSDGTYL 120
 Db 61 PRPHYTPRNTVWRLVAVDENVRIOLEPDERFGLDEPDDICXDFVEVEEPPSDGTYL 120
 QY 121 GRWCGSGTVPGKQTSKGNHRIKRVSDHYFSPSGFCIHYSIIMPQVETTSVLPSS 180
 Db 121 GRWCGSGTVPGKQTSKGNQIRIRFVSDHYFSPSGFCIHYNIMVQFEAVSPSLPSSA 180
 QY 181 LSLDLNNAVAFSTLEELIRYLEPDRQVLDLSLYKPTWQLLGAFLYKSKSVNLT 240
 Db 181 LSLDLNNAVAFSTLEELIRYLEPDRQVLDLSLYKPTWQLLGAFLYKSKSVNLT 240
 QY 241 LKEEVKLYSCTPRNFSVSIREELEKRTDTTFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
 Db 241 LKEEVKLYSCTPRNFSVSIREELEKRTDTTFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
 QY 301 VTKKYHEVLAQRPRTGVGGLHKSITDVALHHEBCCDCVCRGNAG 345
 Db 301 VTKKYHEVLAQRPRTGVGGLHKSITDVALHHEBCCDCVCRGNAG 345

RESULT 8

US-09-923-995-4
 ; Sequence 4, Application US/09923995
 ; Patent No. US20020081700A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sheppard, Paul O.
 ; TITLE OF INVENTION: SNAKE VENOM POLYPEPTIDE ZSNKI
 ; FILE REFERENCE: 00-47
 ; CURRENT APPLICATION NUMBER: US/09/923,995
 ; CURRENT FILING DATE: 2001-08-07
 ; PRIOR APPLICATION NUMBER: US 60/223,164
 ; PRIOR FILING DATE: 2000-08-07
 ; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 4
 ; LENGTH: 345
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-923-995-4

Query Match 90.2%; Score 1667; DB 9; Length 345;
 Best Local Similarity 87.0%; Pred. No. 5,2e-156;
 Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGORTGRABSNLSKQLSDSKQNVODPRHRYVTTISNGSIHS 60
 Db 1 MSFLGLLLTSALAGORTGRABSNLSKQFSSNKEQNVODPOHERITVSTNGSIHS 60
 QY 61 PKPHTYPRNMTVWRLVAVDENVRIOLEPDERFGLDEPDDICXDFVEVEEPPSDGTYL 120
 Db 61 PRPHYTPRNTVWRLVAVDENVRIOLEPDERFGLDEPDDICXDFVEVEEPPSDGTYL 120
 QY 121 GRWCGSGTVPGKQTSKGNHRIKRVSDHYFSPSGFCIHYSIIMPQVETTSVLPSS 180
 Db 121 GRWCGSGTVPGKQTSKGNQIRIRFVSDHYFSPSGFCIHYNIMVQFEAVSPSLPSSA 180
 QY 181 LSLDLNNAVAFSTLEELIRYLEPDRQVLDLSLYKPTWQLLGAFLYKSKSVNLT 240
 Db 181 LSLDLNNAVAFSTLEELIRYLEPDRQVLDLSLYKPTWQLLGAFLYKSKSVNLT 240
 QY 241 LKEEVKLYSCTPRNFSVSIREELEKRTDTTFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
 Db 241 LKEEVKLYSCTPRNFSVSIREELEKRTDTTFWPGCLLVKRCGNCACCLHNCNCCVPRK 300
 QY 301 VTKKYHEVLAQRPRTGVGGLHKSITDVALHHEBCCDCVCRGNAG 345
 Db 301 VTKKYHEVLAQRPRTGVGGLHKSITDVALHHEBCCDCVCRGNAG 345

RESULT 9

US-09-795-006A-149
 ; Sequence 149, Application US/09795006A
 ; Patent No. US20020151680A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Altalo et al
 ; TITLE OF INVENTION: MATERIALS AND METHODS INVOLVING HYBRID VASCULAR
 ; FILE REFERENCE: 28967/35977B
 ; CURRENT APPLICATION NUMBER: US/09/795,006A
 ; CURRENT FILING DATE: 2001-02-26
 ; PRIOR APPLICATION NUMBER: US 60/205,331
 ; PRIOR FILING DATE: 2000-05-18
 ; PRIOR APPLICATION NUMBER: US 60/185,205
 ; PRIOR FILING DATE: 2000-02-25
 ; NUMBER OF SEQ ID NOS: 175
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 149
 ; LENGTH: 345
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-795-006A-149

Query Match 90.2%; Score 1667; DB 10; Length 345;
 Best Local Similarity 87.0%; Pred. No. 5,2e-156;
 Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLTSALAGORTGRABSNLSKQLSDSKQNVODPRHRYVTTISNGSIHS 60
 Db 1 MSFLGLLLTSALAGORTGRABSNLSKQFSSNKEQNVODPOHERITVSTNGSIHS 60
 QY 61 PKPHTYPRNMTVWRLVAVDENVRIOLEPDERFGLDEPDDICXDFVEVEEPPSDGTYL 120
 Db 61 PRPHYTPRNTVWRLVAVDENVRIOLEPDERFGLDEPDDICXDFVEVEEPPSDGTYL 120
 QY 121 GRWCGSGTVPGKQTSKGNHRIKRVSDHYFSPSGFCIHYSIIMPQVETTSVLPSS 180
 Db 121 GRWCGSGTVPGKQTSKGNHRIKRVSDHYFSPSGFCIHYSIIMPQVETTSVLPSS 180

Db 121 GRMGSGTGVGKQISKNOIRIRFVSDEYFPSEBGFCHNYINVPQFTAVSPSLPSSA 180
Qy 181 LSLDLNNATVASTLEELRYLEPPRQVLDLSLYKPTWQLGKAPLYGKSKVYVNL 240
Db 181 LPLDLNNATVASTLEELRYLEPPRQVLDLSLYKPTWQLGKAPLYGKSKVYVNL 240
Qy 241 LKERVKLYSCPPNFVSISBELKRTDTTWPGCLLYKCGGACCLHNCGCVPRK 300
Db 241 LTERVRLYSCTPPNFVSISBELKRTDTTWPGCLLYKCGGACCLHNCGCVPRK 300
Qy 301 VTKKHYVLDLPRTGVGKHSKLTVALFHHHEBCDVCNMG 345
Db 301 VTKKHYVLDLPRTGVGKHSKLTVALFHHHEBCDVCNMG 345

RESULT 10

US-09-978-295A-488

Sequence 488, Application US/09978295A

Patent No. US20020156006A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi

APPLICANT: Baker Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleon

APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter

APPLICANT: Gettisen, Mary B.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J.

APPLICANT: Kijavlin, Ivar J.

APPLICANT: Kuo, Sophia S.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James;

APPLICANT: Paoni, Nicholas P.

APPLICANT: Roy, Margaret Ann

APPLICANT: Shelton, David L.

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

Acids Encoding the Same

FILR REFERENCE: P2630P1C11

CURRENT APPLICATION NUMBER: US/09/978,295A

CURRENT FILING DATE: 2001-10-15

PRIOR APPLICATION NUMBER: 09/918585

PRIOR FILING DATE: 2001-07-30

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064249

PRIOR FILING DATE: 1997-11-03

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066364

PRIOR FILING DATE: 1997-11-21

PRIOR APPLICATION NUMBER: 60/077450

PRIOR FILING DATE: 1998-03-10

PRIOR APPLICATION NUMBER: 60/077632

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077641

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077649

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077791

PRIOR FILING DATE: 1998-03-12

PRIOR APPLICATION NUMBER: 60/078004

PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
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PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
Query Match 90.2%; Score 1667; DB 10; Length 345;

Best Local Similarity 87.0%; Pred. No. 5.2e-156;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;
Qy 1 MLLGLLLTSALAGRTGRARSNSKQLSSDKRONVQPRHRYVTITGNGSIHS 60
Db 1 MSPLGILLTSALAGRGQOQASNSLSKQFSNSKONOVOPQHRITVTSNGSIHS 60
Qy 61 PRPHYPRRMVLMRLVAVDENVRLOLPDERFGLEDPEDDICKDFVEVEPSDGSVL 120
Db 61 PRPHYPRRMVLMRLVAVDENVRLOLPDERFGLEDPEDDICKDFVEVEPSDGSVL 120
Qy 121 GRWCGSTGVGKQTSKGNHIRIPVSDYPPSPGFCIHYSIMPOVETTSBVLPPSS 180
Db 121 GRWCGSTGVGKQTSKGNHIRIPVSDYPPSPGFCIHYSIMPOVETTSBVLPPSS 180
Qy 181 LSLDLNNAVTASTBELRLRYLEPDRWQVDSLKPTQQLGKAFVYKSKRVNVLN 240
Db 181 LSLDLNNAVTASTBELRLRYLEPDRWQVDSLKPTQQLGKAFVYKSKRVNVLN 240
Qy 241 LKEBVKLYSCTPRNFSVSIREEBKRTDTTFWPGCLLVKRCGNCACCLAHNCNQCVPK 300
Db 241 LKEBVKLYSCTPRNFSVSIREEBKRTDTTFWPGCLLVKRCGNCACCLAHNCNQCVPK 300
Qy 301 VTKYHEVQLRPRTGVGKGLHKSJLVVALHHEECDCVCGNNGG 345
Db 301 VTKYHEVQLRPRTGVGKGLHKSJLVVALHHEECDCVCGNNGG 345
RESULT 11
US-09-978-697-488
Sequence 488, Application US/09978697
Patent No. US20020169284A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C27
CURRENT APPLICATION NUMBER: US/09/978,697
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918565
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13

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PRIOR FILING DATE: 1997-11-21	
PRIOR APPLICATION NUMBER: 60/077450	
PRIOR FILING DATE: 1998-03-10	
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PRIOR FILING DATE: 1998-03-11	
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PRIOR FILING DATE: 1998-04-15	
PRIOR APPLICATION NUMBER: 60/081819	

[illegible]

PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 90.2%; Score 1667; DB 10; Length 345;
Best Local Similarity 87.0%; Pred. No. 5,2e-156;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MLLGLLLLSALAGORTGRASNSLSKLSLSDKXONVOPRHRVVTISGNGSIHS 60
DB 1 MSLFGLLLLSALAGORTGRASNSLSKLSLSDKXONVOPRHRVVTISGNGSIHS 60
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DB 61 PRPHPTPRMVLVWRLVAVDENVRQLTDERFRGLEDPDDICKYDFVEVEPSDGSVL 120
QY 121 GRMGSGTVPCKOTSKNHRIRFVSDYFSEPFSCINYSIIMPQVTKTSPSVLPSS 180
DB 121 GRMGSGTVPCKOTSKNHRIRFVSDYFSEPFSCINYSIIMPQVTKTSPSVLPSS 180
QY 181 LSLDLNNATVASTTEELRYLEPPDNOVDLSLYPTQLGKATLYKSKSVNVLN 240
DB 181 LSLDLNNATVASTTEELRYLEPPDNOVDLSLYPTQLGKATLYKSKSVNVLN 240
QY 241 LKEEVKLSCTPRNFVSIRBELKRTDTIIPGGLVYKRGKACACCHNCNCCQVPRK 300
DB 241 LKEEVKLSCTPRNFVSIRBELKRTDTIIPGGLVYKRGKACACCHNCNCCQVPRK 300
QY 301 VTKKTHEVLOLRPKTYGKGLKSLTDVALHHEBCDVCCKGAGG 345
DB 301 VTKKTHEVLOLRPKTYGKGLKSLTDVALHHEBCDVCCKGAGG 345

RESULT 12

US-09-978-192A-488
Sequence 488, Application US/09978192A
Patent No. US2002017553A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Batton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
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APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumes, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC9
CURRENT APPLICATION NUMBER: US/09/978,192A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 90.2%; Score 1667; DB 10; Length 345;
Best Local Similarity 87.0%; Pred. No. 5, 2e-156;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

1 MLLGLLLTSALAGORTGTRAFNSLSSKLOISDREKONGVDPRIHRYVITSGNSIHS 60
1 MSIFGLLLTSALAGORGTQAESNLSSKFOFSNKRQNGVDPRIHRYVITSGNSIHS 60
61 PRPHYPRMVLVWLVNDEVNRLOLTFDERFGLEDPEDDICXKDFVVEBPSDSVL 120
61 PRPHYPRMVLVWLVNDEVNRLOLTFDERFGLEDPEDDICXKDFVVEBPSDSVL 120
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121 GRWGSQTVGKQTSKGNHRIKRVFSDVPSGFCIHYSIIMPVETTSVLPSS 180
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181 LSLDLNNAVTAFTSEBILRYLEPDRWQVLDLKYPTWQLLGAFLYKSKSVYVNL 240
181 LSLDLNNAVTAFTSEBILRYLEPDRWQVLDLKYPTWQLLGAFLYKSKSVYVNL 240
241 LKEEVLXSTPNFVSIRBEIKRTDTTFWPCCLVYKCGNACCLHNCNCCVPRK 300
241 LKEEVLXSTPNFVSIRBEIKRTDTTFWPCCLVYKCGNACCLHNCNCCVPRK 300
241 LKEEVLXSTPNFVSIRBEIKRTDTTFWPCCLVYKCGNACCLHNCNCCVPRK 300
301 VTCKYHEVQLRKPTGVKGLHKSGLTDVALEHHBECDCVCRGNAG 345
301 VTCKYHEVQLRKPTGVKGLHKSGLTDVALEHHBECDCVCRGNAG 345

RESULT 13
US-09-832A-488
Sequence 488, Application US/09999832A
Publication No. US20020192706A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottlieb, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC3
CURRENT APPLICATION NUMBER: US/09/999, 832A
PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR APPLICATION NUMBER: 60/085573
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PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 90.24; Score 1667; DB 10; Length 345;
Best Local Similarity 87.04; Pred. No. 5,2e-156;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

1 MLLGLLLTSALAGRTGTRASNTSSKQLSSDKQNGVODPRHRRVVTISGNSIHS 60
1 MSIFGLLLTSALAGRTGTRASNTSSKQLSSDKQNGVODPRHRRVVTISGNSIHS 60
61 PREPHYPRMUTVWMLVAVDENVRITQTDERRFGLEDPEDDICTDPRVVEBPSDGLV 120
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121 GRWCGSGTVPKQISKQNOIRIFVSDPEPSEPGFCIHNIYMPOTTEAVSPSLPSS 180
121 GRWCGSGTVPKQISKQNOIRIFVSDPEPSEPGFCIHNIYMPOTTEAVSPSLPSS 180
181 LSLDLLNNAVAFSTLEELIRYLEPDRMOYDLSLYKPTWQLGKAFLYGKSKSVNL 240
181 LSLDLLNNAVAFSTLEELIRYLEPDRMOYDLSLYKPTWQLGKAFLYGKSKSVNL 240
241 LKEEVLYSTCPNPSVSIIEELKRTDTTWPGCLLVKRCGACCACTHNCNCCQCPK 300
241 LKEEVLYSTCPNPSVSIIEELKRTDTTWPGCLLVKRCGACCACTHNCNCCQCPK 300
301 VTKKHEVLTQRPRTGVKGLKSLTDVALHEHHECCVCNAGG 345
301 VTKKHEVLTQRPRTGVKGLKSLTDVALHEHHECCVCNAGG 345

RESULT 14
US-09-978-189-488
Sequence 488, Application US/09978189
Publication No. US20030004102A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi

APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavitt, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C7
CURRENT APPLICATION NUMBER: US/09/978,189
PRIOR FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/018585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR APPLICATION NUMBER: 60/085697

Query Match 90.2%; Score 1667; DB 11; Length 345;
Best Local Similarity 87.0%; Pred. No. 5.2e-156;
Matches 300; Conservative 27; Mismatches 18; Indels 0; Gaps 0;

QY 1 MMLGILLITLSALAGRTGTRASNSLSKQLQSDRXONGVOPRRERVYITGNGSIHS 60
DB 1 MSFLGILLITLSALAGRTGTRASNSLSKQLQSDRXONGVOPRRERVYITGNGSIHS 60
QY 61 PKPPTTPRNVTVLWVLVAVDENVRIOITPDERFGLEDEDDICXDYFVEEPPSGSVL 120
DB 61 PRPPTTPRNVTVLWVLVAVDENVRIOITPDERFGLEDEDDICXDYFVEEPPSGSVL 120
QY 121 GRWGGTVPKGTSGNHRIRFVSDXPPSPGFCIHYSITMPQVETTSVLPSPS 180
DB 121 GRWGGTVPKGTSGNHRIRFVSDXPPSPGFCIHYSITMPQVETTSVLPSPS 180
QY 181 LSLDLLNNVTAESTLEELIRYLPDRWQVLDLSTYKPTMQLGKAFYLGKSKSVNMLN 240
DB 181 LPLDLLNNVTAESTLEELIRYLPDRWQVLDLSTYKPTMQLGKAFYLGKSKSVNMLN 240
QY 241 LKEEVLYSGTSPNREVSIRBELKRTDTTFWPGCLLVKCGGACACCLNCGCCVPRK 300
DB 241 LKEEVLYSGTSPNREVSIRBELKRTDTTFWPGCLLVKCGGACACCLNCGCCVPRK 300

